

ARMY CREEK LANDFILL OU1
ADMINISTRATIVE RECORD FILE *
INDEX OF DOCUMENTS

I. SITE IDENTIFICATION

1. Letter to Mr. Vincent A. Theisen, Theisen and Lank, Mr. Clarence W. Taylor, Levy Court of New Castle County, Mr. Clemont C. Wood, Allmond and Wood, and Mr. Dickinson Griffenberg, Jr., Milloran and VanBrunt, from Mr. Collins J. Seitz, Court of Chancery of the State of Delaware, re: Carl E. Pruett, et al. v. Joseph F. Dayton, et al., 6/24/63. P. 100001-100001.
2. Letter to Mr. Harry B. Roberts, Jr., Levy Court of New Castle County, from Mr. Vaughn C. Watson, Wilmington Manor Volunteer Fire Company, re: Fires at Llangollen Landfill, 3/4/66. P. 100002-100002.
3. Letter to Mr. Stephen Kowalchuk, New Castle County Department of Public Works, from Mr. Michael A. Apgar, Roy F. Weston, Inc., re: Transmittal of a report on the Preliminary Investigation of Groundwater Contamination, 12/26/72. P. 100003-100003.
4. Letter to Mr. Lester F. Meyer, Delaware Division of Environmental Control, from Mr. Michael A. Apgar, Roy F. Weston, Inc., re: Transmittal of a report on groundwater pollution, 1/9/73. P. 10004-10018. A cover letter and the report are attached.
5. Letter to Mr. Ellis D. Taylor, Artesian Water Company, from Mr. Daniel J. Synder, III, re: Survey of Artesian's system, 4/27/73. P. 100019-100026. The survey is attached.
6. Letter to Mr. Stephen Kowalchuk, New Castle County Department of Public Works, from Mr. Walter B. Satterthwaite, Jr., Roy F. Weston, Inc., re: Transmittal of the Evaluation of Groundwater Availability and Pumping Capacity of the Llangollen Area report, 5/8/73. P. 100027-100034. The report is attached.

* Administrative Record File available 4/17/90, updated 5/23/90, updated 1/14/91.

Note: Company or organizational affiliation is identified in the index only when it appears in the file.

7. Phone notes between Mr. Benjamin Costen and Mr. Edwin C. Lippy re: Financial assistance for the site, 5/23/73. P. 100035-100036.
8. Letter to Mr. Stephen Kowalchuk, Jr., New Castle County Department of Public Works, from Mr. Michael E. Fiore, Roy F. Weston, Inc., and Mr. Walter B. Satterthwaite, Roy F. Weston, Inc., re: Treatability studies, 6/27/73. P. 100037-100044. A Preliminary Treatability Study report is attached.
9. Memorandum to Distribution from Mr. W. B. Satterthwaite, Roy F. Weston, Inc., re: Alternate treatment schemes, 7/31/73. P. 100045-100054.
10. Memorandum to file from Mr. P. Klose, Roy F. Weston, Inc., re: Toxicity study on pumped leachate, 10/12/73. P. 100055-100057.
11. Memorandum to Project Files from Mr. J. A. Weaver, Roy F. Weston, Inc., re: Transmittal of Treatment Alternatives Interim Report, 10/30/73. P. 100058-100080. The report is attached.
12. Meeting Agenda for Llangollen Landfill Pollution Control Project meeting, 2/22/74. P. 100081-100098. A copy of a report on conclusions and recommendations prepared by Roy F. Weston is attached.
13. Letter to Dr. Harry W. Otto, Delaware Department of Natural Resources and Environmental Control, from Mr. Ronald G. Webb re: Breakdown of leachate, 4/18/74. P. 100099-100109. A Leachate Sample table is attached.
14. Letter to Mr. Ellis D. Taylor, Artesian Water Company, from Mr. Daniel J. Snyder, U.S. EPA, re: Transmittal of water system survey, 4/29/74. P. 100110-100114. The survey is attached.
15. Memorandum to Mr. Daniel J. Snyder, III from Mr. Gordon M. Rapier, U.S. EPA, re: Contamination at the LLangollen Landfill, 5/2/74. P. 100115-100116.
16. Memorandum to Director, Office of Research & Development, U.S. EPA, from Director, Water Supply Program, U.S. EPA, re: Groundwater problem in Delaware, 5/6/74. P. 100117-100117.

17. Letter to Mr. Albert Madora, New Castle County Department of Public Works, from Mr. W. T. Harper, Amoco Chemicals Corporation, re: Potential contamination to water supply, 3/21/75. P. 100118-100118.
18. Letter to Mr. Harry W. Otto, Delaware Department of Natural Resources, from Mr. Edward N. Azarowicz, Edward N. Azarowicz, Inc., re: Submittal of proposal for microbial degradation treatment of leachate, 6/23/75. P. 100119-100150. The proposal is attached.
19. Memorandum to Mr. Albert Montague from Mr. Ramon G. Lee, U.S. EPA, re: Leachate Treatment Proposal, 11/18/75. P. 100151-100151.
20. Letter to Mr. Harry W. Otto from Mr. Mr. Albert Montague, U.S. EPA, re: Sources of potential funding regarding the Azarowicz proposal, 11/20/75. P. 100152-100152.
21. Letter to Mr. Robert J. Blanco, U.S. EPA, from Ms. Merna Hurd, New Castle County Areawide Waste Treatment Management Program, re: Brief history and description of Llangollen Landfill, 12/4/75. P. 100153-100156.
22. Memorandum to Mr. Robert L. Allen and Mr. Albert Montague from Mr. Robert J. Blanco, U.S. EPA, re: Request for review of site problems, 12/19/75. P. 100157-100157.
23. Memorandum to Mr. Robert J. Blanco, U.S. EPA, from Mr. Charles L. Kleeman, U.S. EPA, re: Federal funding opportunities, 1/5/76. P. 100158-100158.
24. Memorandum to Mr. Robert J. Blanco, U.S. EPA, from Mr. Albert Montague, U.S. EPA, re: Response to EPA review of site, 1/9/76. P. 100159-100160.
25. Memorandum to Mr. Gordon M. Rapier from Mr. William H. Schremp, U.S. EPA, re: Citizen's Association meeting, 2/4/76. P. 100161-100161.
26. Letter to Ms. Merna Hurd, New Castle County Areawide Waste Treatment Management Program, from Mr. Robert J. Blanco re: Problems with the site, 3/17/76. P. 100162-100163.

27. Memorandum to Mr. N. C. Vasuli from Mr. Michael A. Apgar re: Supplemental Appropriation for Investigation of Groundwater Pollution from the Delaware Sand and Gravel Company Landfill, 4/12/76. P. 100164-100171. The Application for the Supplemental Appropriation is attached.
28. Memorandum to Mr. James F. Manwaring from Mr. Larry Miller, U.S. EPA, re: Transmittal of site results, 5/4/76. P. 100172-100199. Eight memoranda regarding results are attached.
29. Memorandum to Mr. Orterio Villa, Jr., U.S. EPA, from Mr. Larry Miller, U.S. EPA, re: Transmittal of request for resampling, 5/20/76. P. 100200-100202. Two memoranda related to site sampling are attached.
30. Memorandum to Mr. Stuart C. Peterson from Mr. Jack E. Washburn, U.S. EPA, re: Water pollution, 7/28/76. P. 100203-100203.
31. Memorandum to Distribution from Director, Water Division, U.S. EPA, re: Briefing of Regional Administrator by Water Planning Branch and New Castle County 208 Agency, 11/24/76. P. 100204-100204.
32. Memorandum to Regional Administrator, U.S. EPA, from Director, Water Division, U.S. EPA, re: Briefing on Llangollen Landfill, 12/1/76. P. 100205-100207.
33. Letter to the Honorable Shermin Tribbitt, Governor of Delaware, from Mr. Daniel J. Snyder, III, re: Groundwater pollution at Llangollen Landfill, 12/28/76. P. 100208-100209.
34. Magazine Article: "Low-cost Sanitary Landfill," Rural and Urban Roads, 1/77. P. 100210-100213.
35. Memorandum to Mr. Larry Miller from Mr. Paul E. Ambrose, U.S. EPA, re: Testing requirements, 1/12/77. P. 100214-100215.
36. Memorandum to file from Mr. Paul E. Ambrose, U.S. EPA, re: Recovery well discharges, 1/19/77. P. 100216-100217.

37. Memorandum to Mr. Larry Miller, U.S. EPA, from Mr. Paul E. Ambrose, U.S. EPA, re: Recovery wells, 1/19/77. P. 100218-100218.
38. Letter to Mr. John Egan, Delaware Department of Natural Resources, from Mr. Stephen R. Wassersug, U.S. EPA, re: Transmittal of Water Resources report, 1/24/77. P. 100219-100320. The report is attached.
39. Memorandum to Mr. Larry Miller from Mr. Charles L. Kleeman, U.S. EPA, re: Well samples, 1/24/77. P. 100321-100323.
40. Letter to Mr. Albert Madora from Mr. P. R. Bartchy re: NPDES Discharge Permit, 1/25/77. P. 100324-100324.
41. Memorandum to Mr. Gregory Koltonuk from Mr. Orterio Villa, U.S. EPA, re: Sampling and analysis investigation, 1/27/77. P. 100325-100325.
42. Letter to Mr. John Egan, Delaware Department of Natural Resources and Environmental Control, from Mr. Paul E. Ambrose, U.S. EPA, re: Draft Permit, 1/27/77. P. 100326-100326.
43. Letter to Mr. Bailey Guard, U.S. Senate, from Mr. Daniel J. Snyder, III, U.S. EPA, re: Comments and concerns related to the Llangollen Landfill, 2/3/77. P. 100327-100327.
44. Letter to Mr. Albert Madora, New Castle County Department of Public Works, from Mr. John T. Egan, U.S. EPA, re: NPDES Discharge Permit, 2/9/77. P. 100328-100330. Two letters are attached.
45. Memorandum to Mr. A Perlmutter from Mr. Roy [sic] re: Eligibility determinations, 2/10/77. P. 100331-100332.
46. Memorandum to Mr. Donald E. Sanning from Mr. Albert Montague, U.S. EPA, re: Analysis of samples, 2/11/77. P. 100333-100333.
47. Memorandum to Mr. Orterio Villa from Mr. Larry Miller, U.S. EPA, re: Split samples, 2/22/77. P. 100334-100334.

48. Memorandum to Mr. Larry Miller from Mr. Gregory Koltonuk, U.S. EPA, re: Site samples, 2/28/77. P. 100335-100335.
49. Memorandum to Mr. Larry Miller from Mr. Gregory Koltonuk, U.S. EPA, re: Site sampling, 3/2/77. P. 100336-100337.
50. Memorandum to Mr. Larry Miller from Mr. Charles L. Kleeman, U.S. EPA, re: Well sampling, 3/7/77. P. 100338-100338.
51. Memorandum to Mr. Orterio Villa from Mr. Gregory Koltonuk, U.S. EPA, re: Phase II sampling, 3/15/77. P. 100339-100339.
52. Report: The Ground Water Newsletter, prepared by Water Information Center, Inc., 3/16/77. P. 100340-100341.
53. Letter to Mr. Paul W. Slunt, Jr., Maryland Department of Natural Resources, from Mr. Larry Miller, U.S. EPA, re: Transmittal of Water Monitoring Program, 3/18/77. P. 100342-100342.
54. Memorandum to Mr. James F. Manwaring from Mr. Charles L. Kleeman, U.S. EPA, re: Split-sample analysis, 4/15/77. P. 100343-100343.
55. Memorandum to Mr. Larry Miller from Mr. Gregory Koltonuk, U.S. EPA, re: Chronology of compliance monitoring activities, 4/18/77. P. 100344-100347.
56. Report: Determination of Trace Organics in Well Waters Collected Around the Llangollen Landfill, prepared by Mr. Edward S. K. Chian, University of Illinois, and Mr. Foppe B. DeWalle, Stanford University, 5/9/77. P. 100348-100377.
57. Memorandum to Mr. Orterio Villa, Jr. from Mr. T. O. Munson, U.S. EPA, re: Sample analysis, 5/9/77. P. 100378-100388. A site map, a contamination table, and a report on the detection of trace organics are attached.
58. Memorandum to Mr. Larry Miller from Mr. Bernie Sarnoski, U.S. EPA, re: Request for additional sampling, 5/12/77. P. 100389-100389.

59. Memorandum to Mr. Orterio Villa from Mr. Larry Miller, U.S. EPA, re: Request for additional sampling, 5/13/77. P. 100390-100390.
60. Memorandum to Mr. Orterio Villa, Jr. from Mr. Victor Guide, U.S. EPA, re: Artesian Water Company well sampling, 5/16/77. P. 100391-100393. A site map is attached.
61. Memorandum to Mr. Orterio Villa from Mr. Larry Miller, U.S. EPA, re: Artesian Water Company sampling and analysis, 5/17/77. P. 100394-100394.
62. Memorandum to Mr. Larry Miller from Mr. Victor Guide, U.S. EPA, re: Artesian Water Company sampling and analysis, 5/17/77. P. 100395-100395.
63. Memorandum to Mr. Larry Miller from Mr. Albert Montague, U.S. EPA, re: Artesian Water Company sampling and analysis, 5/17/77. P. 100396-100397.
64. Memorandum to Mr. A. R. Morris, U.S. EPA, from Mr. Albert Montague, U.S. EPA, re: Briefing memorandum, 5/18/77. P. 100398-100399.
65. Memorandum to Mr. Orterio Villa from Mr. Larry Miller, U.S. EPA, re: Artesian Water Company results, 5/18/77. P. 100400-100400.
66. Memorandum to Mr. James F. Manwaring from Mr. Charles L. Kleeman, U.S. EPA, re: Sampling and analysis for volatile organics, 5/20/77. P. 100401-100401.
67. Memorandum to Mr. Albert Montague, U.S. EPA, from Mr. K. R. Hill, U.S. Department of Agriculture, re: Analysis of water samples, 5/24/77. P. 100402-100408. Handwritten water sample graphs are attached.
68. Memorandum to Mr. Orterio Villa from Mr. James Barron, U.S. EPA, re: Chloroform samples, 5/24/77. P. 100409-100409.
69. Memorandum to Mr. A. R. Morris from Mr. Albert Montague, U.S. EPA, re: Site update, 5/26/77. P. 100410-100414.
70. Letter to Senator Biden from Ms. Barbara Blum, U.S. EPA, re: Site background, 5/27/77. P. 100415-100418.

71. Memorandum to Mr. Orterio Villa from Mr. James Eichelberger, U.S. EPA, and Mr. William L. Budde, U.S. EPA, re: Analysis of well water samples, 5/27/77. P. 100419-100419.
72. Memorandum to Mr. Orterio Villa from Mr. James Barron, U.S. EPA, re: Preliminary sample report, 5/31/77. P. 100420-100420.
73. Memorandum to Mr. Larry Miller from Mr. Victor Guide, U.S. EPA, re: Final report of sampling and analysis of well water samples, 6/1/77. P. 100421-100427. Two memoranda regarding well samples and sampling station maps are attached.
74. Letter to Mr. Donal [sic] E. Sanning, U.S. EPA, from Mr. Foppe B. DeWalle, University of Washington, re: Transmittal of analysis for true organics in water samples, 6/7/77. P. 100428-100434. The results are attached.
75. Handwritten notes, re: Formal results from University of Illinois, 6/9/77. P. 100435-100436.
76. Agenda for Phase II (Army Creek Llangollen Landfill) June 16, 1977 meeting, 6/13/77. P. 100436-100436.
77. Memorandum to Mr. Orterio Villa from Mr. James Barron, U.S. EPA, re: Detection limits for Llangollen Landfill, 6/15/77. P. 100437-100437.
78. Handwritten notes, re: Recovery well, 6/16/77. P. 100438-100441.
79. Memorandum to Mr. Larry Miller from Mr. Victor Guide, U.S. EPA, re: Completion of Phase I, 6/21/77. P. 100442-100444. Sampling site and general site maps are attached.
80. Memorandum to Mr. Donald Sanning from Mr. Dwight G. Ballinger, U.S. EPA, re: Contractor's report on sample analysis, 6/21/77. P. 100445-100446.
81. Letter to Mr. Donald K. Harmeson, Mr. William Northington, Amoco Chemical Co., Mr. Bangalore T. Lakshman, Artesian Water Company, and Mr. John Egar from Mr. Ramon G. Lee, U.S. EPA, re: Drinking water samples, 6/22/77. P. 100447-100448.

82. Memorandum to Mr. Larry Miller from Mr. Victor Guide, U.S. EPA, re: Phase II recovery well sampling and analysis, 6/22/77. P. 100449-100451.
83. Memorandum to Mr. Larry Miller from Mr. Paul E. Ambrose, U.S. EPA, re: Well field study, 7/6/77. P. 100452-100452.
84. Memorandum to distribution from Mr. Frederick P. Goodrich, U.S. EPA, re: Information on site developments, 7/7/77. P. 100453-100453.
85. Memorandum to Mr. Larry Miller from Mr. Victor Guide, U.S. EPA, re: Phase I well field survey completion, 7/11/77. P. 100454-100456. Two site maps are attached.
86. Memorandum to Mr. Larry Miller from Mr. Ramon G. Lee, U.S. EPA, re: Request for sampling and analysis for Benzene, 7/18/77. P. 100457-100457.
87. Memorandum to Mr. Orterio Villa from Mr. Larry Miller, U.S. EPA, re: Request for sampling and analysis for Benzene, 7/26/77. P. 100458-100458.
88. Handwritten notes, re: Samples, 7/22/77. P. 100459-100459.
89. Handwritten notes, re: Samples, 7/25/77. P. 100459-100459.
90. Letter to the Honorable Austin P. Olney, Delaware Department of Natural Resources and Environmental Control, from Mr. J. F. Kell, Artesian Water Company, re: Artesian's well fields, 7/29/77. P. 100460-100461.
91. Memorandum to Mr. Orterio Villa from Mr. James Eichelberger, U.S. EPA, re: Samples from July 25, 1977, 8/2/77. P. 100462-100463.
92. Memorandum to Mr. Paul Ambrose from Mr. Larry Miller, U.S. EPA, re: Phase II well field study, 8/8/77. P. 100464-100465. A memorandum regarding the analysis is attached.
93. Memorandum to Mr. Jack J. Schramm, U.S. EPA, from Mr. John P. Lehman, U.S. EPA, re: Activities concerning

Section 4 of RCRA, 8/23/77. P. 100466-100470. A memorandum regarding site administration is attached.

94. Memorandum to Mr. Larry Miller from Mr. Orterio Villa, U.S. EPA, re: Request for sampling and analysis, 8/29/77. P. 100471-100471.
95. Memorandum to Mr. Ray Lee from Mr. Larry Miller, U.S. EPA, re: Site sampling and analysis, 8/31/77. P. 100472-100472.
96. Memorandum to Mr. Robert Allen, U.S. EPA, from Mr. Tony Goodrich, U.S. EPA, re: Site activities, 9/14/77. P. 100473-100474.
97. Routing and Transmittal Slip to Director, S & A Division, from Mr. Greene A Jones, U.S. EPA, re: Transmittal of a memorandum summarizing recent events, 9/16/77. P. 100475-100477. The memorandum is attached.
98. Memorandum to Mr. Thomas Murphy from Mr. John P. Lehman re: Section 4 of RCRA, 9/19/77. P. 100478-100479.
99. Memorandum to Mr. Larry Miller, U.S. EPA, from Mr. Larry A. Parker, U.S. EPA, re: Transmittal of analysis data sheets, 9/27/77. P. 100480-100490. The data is attached.
100. Memorandum to file from Mr. Robert L. Allen, U.S. EPA, re: November 17-18, 1977 meeting, 9/30/77. P. 100491-100491.
101. Memorandum to Mr. Paul Ambrose from Mr. Victor Guide, U.S. EPA, re: Phase II well field study, 10/6/77. P. 100492-100510. Four memoranda regarding sampling are attached.
102. Letter to Mr. Albert Madora, New Castle County Department of Public Works, from Mr. R. R. Bartchy, Delaware Department of Natural Resources, re: Final NPDES Permit, 10/11/77. P. 100511-100518. The signed permit is attached.
103. Letter to Mr. William S. Northington, Amoco Chemical Corporation, from Mr. Ramon G. Lee, U.S. EPA, re: Contracting of water analysis, 10/17/77. P. 100519-100520. A list of contractors is attached.

104. Memorandum to Mr. Orterio Villa from Mr. Ramon G. Lee, U.S. EPA, re: Phase III revised request for sampling and analysis, 10/17/77. P. 100521-100522.
105. Memorandum to Mr. Ramon G. Lee from Mr. Larry Miller re: Transmittal of laboratory list, 10/17/77. P. 100523-100524. The list is attached.
106. Memorandum to Mr. John Machita from Mr. Eugene A. Mattis, U.S. EPA, re: P-003082-03 Grant Application, 10/18/77. P. 100525-100526.
107. Memorandum to Mr. Al Montague from Mr. Alvin R. Morris, U.S. EPA, re: Site focal points, 10/20/77. P. 100527-100527.
108. Memorandum to Mr. Robert J. Mitkus from Mr. Orterio Villa, U.S. EPA, re: Presence of BCEE at the site, 10/21/77. P. 100528-100528.
109. Memorandum to Mr. Robert J. Mitkus from Mr. Orterio Villa, U.S. EPA, re: Phase III plan of action, 10/21/77. P. 100529-100529.
110. Memorandum to Mr. Orterio Villa from Mr. Larry Miller, U.S. EPA, re: Phase III plan of action, 10/25/77. P. 100530-100530. A memorandum regarding the plan of action is attached.
111. Memorandum to Mr. George Hoessel, U.S. EPA, from Mr. Robert L. Stenburg, U.S. EPA, re: ORD support for leachate control research program, 10/26/ 77. P. 100531-100532. A commitment notice is attached.
112. Memorandum to file from Mr. Larry Miller, U.S. EPA, re: Site sampling, 10/28/77. P. 100533-100533.
113. Letter to Mr. Jack Schramm, U.S. EPA, from Ms. Merna Hurd, New Castle County Areawide Waste Treatment Management Program, re: Site roundtable discussion, 11/1/77. P. 100534-100535.
114. Memorandum to. Mr. Jack Schramm from Mr. Albert Montague, U.S. EPA, re: November 3, 1977 meeting agenda, 11/2/77. P. 100536-100536.
115. Memorandum to Mr. Jack J. Schramm from Mr. Albert Montague, U.S. EPA, re: Groundwater contamination, 11/3/77. P. 100537-100537.

116. Letter to Mr. Bob Allen, U.S. EPA, from Ms. Merna Hurd, New Castle County Areawide Waste Treatment Management Program, re: Confirmation of roundtable workshop, 11/7/77. P. 100538-100538. A list of observers is attached.
117. Memorandum to file from Mr. Robert J. Mitkus, U.S. EPA, re: October 20, 1977 site meeting, 11/7/77. P. 100539-100539.
118. Memorandum to Mr. Ramon G. Lee and Mr. Paul Ambrose from Mr. T. O. Munson, U.S. EPA, re: Phase III results, 11/7/77. P. 100540-100543. A samples table and site map are attached.
119. Letter to the Honorable Austin P. Olney, Delaware Department of Natural Resources and Environmental Control, re: Quality of drinking water, 11/8/77. P. 100544-100545.
120. Meeting agenda for November 11, 1977 meeting, 11/8/77. P. 100546-100597. An observers list is attached.
121. Routing and Transmittal Slip to Mr. Mitkus [sic] re: Final Phase III results, 11/10/77. P. 100548-100548.
122. Memorandum to Division Directors and Office Heads from Ms. Caroline W. Malone, U.S. EPA, re: Regional briefing books, 11/11/77. P. 100549-100550.
123. Memorandum to Mr. Al Montague from Mr. T. O. Munson, U.S. EPA, re: BCCE data at site, 11/22/77. P. 100551-100551.
124. Memorandum to Mr. Al Montague, U.S. EPA, from Mr. Larry Miller, U.S. EPA, re: New investigative directions, 11/23/77. P. 100552-100554. A report on the NPDES Permit status is attached.
125. Memorandum to Mr. Jack J. Schramm from Mr. Albert Montague, U.S. EPA, re: Conference on site groundwater contamination, 11/23/77. P. 100555-100556.
126. Letter to Mr. Al Montague from Mr. Larry Miller, U.S. EPA, re: Amoco sampling, 11/28/77. P. 100557-100557.
127. Memorandum to Mr. Al Montague from Mr. John T. Egan, U.S. EPA, re: Emergency powers action, 11/28/77. P. 100558-100560.

128. Memorandum to Mr. Albert Montague from Mr. Robert L. Allen, U.S. EPA, re: Site responsibilities, 11/28/77. P. 100561-100562.
129. Memorandum to Attendees from Mr. Ramon G. Lee, U.S. EPA, re: December 5, 1977 meeting agenda, 12/1/77. P. 100563-100563.
130. Memorandum to Mr. Robert L. Allen from Mr. John J. Humphries III, U.S. EPA, re: Funding for site through 201 water program, 12/2/77. P. 100564-100564.
131. Memorandum to Ms. Merna Hurd from Mr. Henry Folsom, re: Development of the scope of work, 12/8/77. P. 100565-100565.
132. Letter to Mr. Al Montague, U.S. EPA, from Mr. Bernard L. Dworsky, New Castle County Areawide Waste Treatment Management Program, re: Transmittal of memo concerning site resolution, 12/22/77. P. 100567-100580.
133. Memorandum to File from Mr. Victor Guide, U.S. EPA, re: AFO sampling and laboratory analysis summary, 1/4/78. P. 100567-100580.
134. Memorandum to Mr. Jack J. Schramm from Mr. Robert J. Mitkus, U.S. EPA, re: Comments on site problems, 1/12/78. P. 100581-100585. Two memoranda regarding site developments are attached.
135. Letter to Mr. John Egan, U.S. EPA, from Mr. Bernard L. Dworsky, New Castle County Areawide Waste Treatment Management Program, re: Transmittal of a report proposing a solution to the site problem, 1/13/78. P. 100586-100589. The report is attached.
136. Letter to Mr. Albert Madora, New Castle County Department of Public Works, from Mr. Austin P. Olney, Delaware Department of Natural Resources and Environmental Control, re: November 17-18, 1978 seminar, 1/31/78. P. 100590-100591.
137. Memorandum to Mr. Ramon G. Lee from Mr. Victor Guide, U.S. EPA, re: Completion of Phase III, 2/1/78. P. 100592-100598. The following are attached:
 - a) a memorandum concerning phase III results;
 - b) a sample table;
 - c) a site map;

d) a memorandum concerning site samples.

138. Memorandum to Mr. Joseph A. Galda from Mr. Steven A. Croce, U.S. EPA, re: March 1, 1978 meeting report, 3/2/78. P. 100599-100600.
139. Letter to Mr. Bernard L. Dworsky, New Castle County 208, from Mr. Albert Montague, U.S. EPA, re: Review of proposed solution, 3/15/78. P. 100601-100601.
140. Letter to Mr. Bernie Dworsky, New Castle County Water Resources Agency, from Mr. Abraham Thomas, Roy F. Weston, Inc., and Mr. Ronald A. Landon, Roy F. Weston, Inc., re: Recovery well relocation, 4/13/78. P. 100602-100612.
141. Memorandum to Mr. Orterio Villa from Mr. Ramon G. Lee, U.S. EPA, re: Review of commercial laboratory results of Amoco well samples, 4/13/78. P. 100613-100624. These letters regarding sample analysis are attached.
142. Memorandum to Mr. Orterio Villa from Mr. T. O. Munson, U.S. EPA, re: Comparison of Amoco Benzene and BCEE well sample results, 4/21/78. P. 100625-100625.
143. Letter to Mr. Albert Madora, U.S. EPA, from Mr. Bernard L. Dworsky, New Castle County Areawide Waste Treatment Management Program, re: Proposal status, 5/18/78. P. 100626-100627.
144. Memorandum to Mr. Jack J. Schramm from Mr. Steven A. Croce, U.S. EPA, re: Eligibility determination, 5/31/78. P. 100628-100629.
145. Memorandum to Mr. Nick De Benedictis, U.S. EPA, from Ms. Mary Brewster, U.S. EPA, re: Salient site issues, 6/2/78. P. 100630-100630.
146. Letter to the Honorable Mr. Austin P. Olney, Delaware Department of Natural Resources and Environmental Control, from Mr. Jack J. Schramm, U.S. EPA, re: Construction Grants Program, 6/9/78. P. 100631-100637. A Summary of Federal Activity at the site is attached.
147. Letter to the Honorable Pierre S. duPont, IV, Governor of the State of Delaware, from Ms. Mary D. Journlin, Office of the County Executive, re: Intergovernmental Cooperation, 6/12/78. P. 100638-100639.

148. Letter to Mr. Jack J. Schramm, U.S. EPA, from Mr. Austin P. Olney, Delaware Department of Natural Resources and Environmental Control, re: Federal funding of site clean-up, 6/13/78. P. 100640-100640.
149. Memorandum to Distribution from Mr. Paul E. Ambrose, U.S. EPA, re: August 3, 1978 meeting, 6/26/78. P. 100641-100641.
150. Memorandum to Distribution from Mr. Paul E. Ambrose, U.S. EPA, re: Site background, 8/3/78. P. 100642-100643.
151. Memorandum to Mr. Robert L. Allen from Mr. John J. Humphries III, U.S. EPA, re: Effects of RCRA on the site, 8/3/78. P. 100644-100645.
152. Letter to Mr. Jack J. Schramm, U.S. EPA, from Mr. Austin P. Olney and Mr. John F. Kirk, Jr. re: County and State Coordination, 8/23/78. P. 100646-100648. A letter regarding coordination is attached.
153. List of Attendees for September 7, 1978 meeting, 9/7/78. P. 100649-100649.
154. Letter to Mr. Vincent D'Anna from Mr. Albert Montague, U.S. EPA, re: Eligibility of Federal Construction Grant Funds, 9/8/78. P. 100650-100650.
155. Memorandum to Mr. Jack J. Schramm from Mr. Albert Montague, U.S. EPA, re: Federal funds, 9/15/78. P. 100651-100652.
156. Letter to the Honorable Mr. Austin P. Olney, Delaware Department of Natural Resources and Environmental Control, from Mr. Jack J. Schramm, U.S. EPA, re: Groundwater action, 9/15/78. P. 100653-100653.
157. Memorandum to Mr. Al Montague from Mr. Ramon G. Lee, U.S. EPA, re: Phase III-Round II, 12/7/78. P. 100654-100654.
158. Memorandum to Mr. Bob Mitkus from Mr. Albert Montague re: Sampling and analysis, 12/15/78. P. 100655-100655.
159. Army Creek December 18, 1978 Meeting Attendance Sheet, 12/19/78. P. 100656-100659. A meeting agenda and a

memorandum providing details of the meeting are attached.

160. Memorandum to file from Mr. Paul E. Ambrose, U.S. EPA, re: Site meeting, 12/19/78. P. 100660-100661.
161. Memorandum to Mr. Stan Laskowski from Mr. Paul E. Ambrose, U.S. EPA, re: Sampling plan, 12/29/78. P. 100662-100663.
162. Memorandum to Mr. Ort Villa [sic] from Mr. Ramon G. Lee, U.S. EPA, re: Completion of Phase III, 1/9/79. P. 100664-100672. An S & A Service Request Form is attached.
163. Memorandum to Mr. John F. Kirk, Jr. from Mr. Albert Madora and Mr. Bernard L. Dworsky re: Site update, 3/19/79. P. 100673-100675.
164. Report: Hazardous Materials Report 2-6, prepared by U.S. EPA, 3/23/79. P. 100676-100678.
165. Letter to Mr. Richard F. Aurich, Delaware Department of Natural Resources and Environmental Control, from Mr. Albert Madora re: Notification of Intent to file for Federal Water Pollution Control Construction Grants, 3/30/79. P. 100679-100682. The Notification is attached.
166. Memorandum to Mr. Albert Montague from Mr. Bernard L. Dworsky, Water Resources Agency for New Castle County, re: Site update, 4/30/79. P. 100683-100683.
167. Memorandum to Mr. Robert Greaves from Mr. Charles L. Kleeman, re: Sample results, 5/9/79. P. 100684-100684.
168. Letter to Mr. Robert L. Stenburg, U.S. EPA, from Mr. Bernard L. Dworsky, Water Resources Agency for New Castle County, re: Transmittal of the draft R & D proposal for monitoring and evaluation of corrective action at the site, 5/29/79. P. 100685-100685.
169. Letter to Mr. Greene A. Jones, U.S. EPA, from Mr. Austin P. Olney, New Castle County Office of County Executive, re: Coordination of activities at the site, 6/14/79. P. 100686-100687. Three memoranda and a letter concerning coordination are attached.

170. Memorandum to Water Division Directors, U.S. EPA, from Mr. Harold P. Cahill, Jr., U.S. EPA, re: Federal Water Pollution Control Act funding, 6/16/79. P. 100688-100688.
171. Memorandum to Mr. Henry L. Longest, from Mr. Greene A. Jones, U.S. EPA, re: Construction Grant Funding, 8/28/79. P. 100689-100694.
172. Memorandum to Mr. Greene A. Jones, from Mr. Henry L. Longest, U.S. EPA, re: Federal eligibility, 9/28/79. P. 100695-100698.
173. List of Attendees for November 1, 1979 Meeting, 11/1/79. P. 100699-100699.
174. Memorandum to Mr. Ramon G. Lee from Mr. Charles L. Kleeman, U.S. EPA, re: Site sampling, 11/6/79. P. 100700-100700.
175. Memorandum to Mr. Albert Montague from Mr. J. Gary Gardner, U.S. EPA, re: Potential Hazardous Waste Site Log Form and Preliminary Assessment Form Completion, 11/16/79. P. 100701-100701.
176. Letter to Mr. Robert Greaves from Mr. James L. Short, Delaware Department of Natural Resources and Environmental Control, re: Transmittal of NPDES Permit application, 11/20/79. P. 100702-100739. A transmittal letter and application are attached.
177. Memorandum to Mr. Gary Gardner from Mr. Albert Montague, U.S. EPA, re: Potential Hazardous Waste Site Log Form and Preliminary Assessment Form Completion, 11/21/79. P. 100740-100740.
178. Letter to Mr. Greene A. Jones, U.S. EPA, from Mr. Thomas P. Eichler, Delaware Department of Natural Resources and Environmental Control, re: Organic contaminant monitoring results, 1/8/80. P. 100741-100742.
179. Letter to Mr. Robert J. Touhey, Delaware Department of Natural Resources and Environmental Control, from Mr. Bruce P. Smith re: NPDES application, 1/11/80. P. 100743-100743.

180. Letter to Mr. Thomas P. Eichler, Delaware Department of Natural Resources and Environmental Control, from Mr. Greene A. Jones re: Synthetic organics sampling, 1/31/80. P. 100744-100747. A memorandum regarding sample monitoring and a memorandum regarding the NPDES application are attached.
181. Memorandum to Mr. Greene Jones, from Mr. Paul E. Ambrose, U.S. EPA, re: Update and Senator Biden's interest in the site, 1/31/80. P. 100748-100748.
182. Potential Hazardous Waste Site Inspection Report, 2/20/80. P. 100749-100759.
183. Letter to Mr. Albert Madora, New Castle County Department of Public Works, from Mr. William M. Bulman, U.S. EPA, re: Elimination of sources of pollution at the site, 3/13/80. P. 100760-100763.
184. Letter to Mr. Albert Madora, New Castle County Department of Public Works, from Mr. Walter P. Leis, Roy F. Weston, Inc., re: Transmittal of work plans, 4/30/80. P. 100764-100769. The work plan is attached.
185. Report: Assessment of the Presence of Synthetic Organic Compounds in Delaware's Sources of Water Supply, prepared by CABA Associates, Inc., 8/80. P. 100770-100843.
186. Letter to Mr. William M. Bulman, U.S. EPA, from Mr. David Clark, New Castle County Department of Public Works, re: Pollution Control Project, 8/20/80. P. 100844-100844.
187. Letter to Mr. David Clark, New Castle County Department of Public Works, from Mr. William J. Duffy, Roy F. Weston, Inc., re: Results of well rehabilitation, 9/9/80. P. 100845-100848. The result summary tables are attached.
188. Letter to Mr. William M. Bulman, U.S. EPA, from Mr. Albert Madora, New Castle County Department of Public Works, re: Pollution Control Project, 10/1/80. P. 100849-100849.
189. Memorandum to Mr. William M. Bulman, U.S. EPA, from Mr. David Clark, New Castle County Department of Public

Works, re: Pollution Control Project, 10/22/80.
P. 100850-100850.

190. Memorandum to Mr. Bernie Sarnoski, Mr. Robert Greaves, Mr. Robert L. Allen, and Mr. Albert Montague from Mr. William M. Bulman, U.S. EPA, re: Draft Feasibility Study, 10/31/80. P. 100851-100851.
191. Letter to Mr. William M. Bulman, U.S. EPA, from Mr. David Clark, New Castle County Department of Public Works, re: Pollution Control Project, 10/31/80. P. 100852-100852.
192. Memorandum to Mr. William M. Bulman from Mr. Charles L. Kleeman, U.S. EPA, re: Comments on Draft Feasibility Study, 11/7/80. P. 100853-100853.
193. Letter to Mr. Victor F. Battaglia, Biggs & Battaglia, from Mr. Richard J. Abrams, Richards, Layton & Finger, re: Restoration of groundwater supply, 11/10/80. P. 100854-100856.
194. Memorandum to Mr. Al Montague from Mr. Paul E. Ambrose, U.S. EPA, re: Proposal of monthly meeting, 11/13/80. P. 100857-100857.
195. Memorandum to Mr. David McEnerney from Mr. Wayne Naylor, U.S. EPA, re: Draft Feasibility Study, 11/24/80. P. 100858-100858.
196. Memorandum to Mr. Thomas P. Eichler from Mr. Michael A. Apgar, re: Monitoring for Synthetic Organic Compounds, 11/24/80. P. 100859-100860. The monitoring results are attached.
197. Letter to Mr. David Clark, New Castle County Department of Public Works, from Mr. Walter M. Leis, Roy F. Weston, Inc., re: Draft outline to evaluate cessation of discharge to the site pond, 12/5/80. P. 100861-100866. The outline is attached.
198. Memorandum to files from Mr. Bob MacPherson, Delaware Department of Natural Resources and Environmental Control, re: November 20, 1980 site meeting, 12/8/80. P. 100867-100868.

199. Letter to Mr. Richard Emory, U.S. EPA, from Mr. Richard J. Abrams, Richards, Layton & Finger, re: Transmittal of EPA index of documents, 12/19/80. P. 100869-100870.
200. Memorandum to Mr. Thomas P. Eichler and Mr. Bob Touhey from Mr. Bob MacPherson, Delaware Department of Natural Resources and Environmental Control, re: Revision of December 8 memorandum, 12/22/80. P. 100871-100871.
201. Letter to Mr. Thomas P. Eichler, Delaware Department of Natural Resources and Environmental Control, and Mr. William M. Bulman, U.S. EPA, from Mr. Albert W. Madora re: Pollution control project, 12/30/80. P. 100872-100875. A cessation of discharge is attached.
202. Memorandum to Mr. Paul E. Ambrose from Mr. Albert Montague, U.S. EPA, re: Transfer of regional coordination function, 1/13/81. P. 100876-100877. A memorandum concerning EPA activity at the site is attached.
203. Letter to Mr. David McEnerney, U.S. EPA, from Mr. Robert J. Touhey, Delaware Department of Natural Resources and Environmental Control, re: Assignment of division contact, 1/19/81. P. 100878-100879.
204. Letter to Mr. Richard F. Aurich, Delaware Department of Natural Resources and Environmental Control, from Mr. Albert Madora, New Castle County Department of Public Works, re: State Road Interceptor, 1/29/81. P. 100880-100883. Two construction forms are attached.
205. Letter to Mr. Dave McEnerney, U.S. EPA, from Mr. Richard F. Aurich, Delaware Department of Natural Resources and Environmental Control, re: State Road Interceptor, 2/3/81. P. 100884-100885.
206. Memorandum to Mr. Paul E. Ambrose from Mr. Ramon G. Lee, U.S. EPA, re: Opinion on site strategy, 2/4/81. P. 100886-100887.
207. Memorandum to Mr. Paul E. Ambrose from Mr. William M. Bulman re: Site status, 2/11/81. P. 100888-100888.
208. Letter to Mr. Douglas Robb, New Castle County Department of Public Works, from Mr. Abraham Thomas, Roy F. Weston, Inc., and Mr. Walter M. Leis, Roy F. Weston, Inc., re: EPA form 5700-41 (2-76), 4/9/81. P. 100889-100893. The form is attached.

209. Letter to Mr. F. Lee Ross, U.S. EPA, from Mr. Richard F. Aurich, Delaware Department of Natural Resources and Environmental Control, re: Supplemental Agreement, 4/21/81. P. 100894-100914. A memorandum regarding the Agreement and the Agreement are attached.
210. Memorandum to Mr. William M. Bulman from Mr. Paul E. Ambrose, U.S. EPA, re: Site tasks, 5/7/81. P. 100915-100915.
211. Memorandum to Mr. Thomas P. Eichler from Mr. Micheal A. Apgar re: Report on May 15, 1981 meeting, 5/15/81. P. 100916-100918.
212. Technical Direction Document, prepared by Ecology and Environment, Inc., 7/24/81. P. 100919-100920.
213. Technical Direction Document, prepared by Ecology and Environment, Inc., 8/4/81. P. 100921-100922. An acknowledgement of completion form is attached.
214. Memorandum to Mr. Larry Miller from Mr. Phillip Retallick, U.S. EPA, re: Weston certification. 8/18/81. P. 100923-100923.
215. Memorandum to Mr. Bruce P. Smith from Mr. Chris Hladchuk, U.S. EPA, re: September 9, 1981 meeting, 8/25/81. P. 100924-100925.
216. Memorandum to Mr. Peter N. Bibko from Ms. Miriam Ershkowitz, U.S. EPA, re: Status of State of Delaware Consolidated Award Process, 9/21/81. P. 100926-100929. A memorandum regarding program grant administration consolidation is attached.
217. Report: Application of Computer Modeling for the Investigation of Ground-Water Contamination, prepared by Mr. William J. Miller, III, GeoTrans, Inc., and Mr. Lyle R. Silka, GeoTrans, Inc., 9/30/81. P. 100930-100953.
218. Technical Direction Document, prepared by Ecology and Environment, Inc., 10/5/81. P. 100954-100954.
219. Memorandum to Mr. James Burke from Mr. Neil Wise, U.S. EPA, re: Use of Section 201 Grant Funds, 10/21/81. P. 100955-100955.

220. Technical Direction Document, prepared by Ecology and Environment, Inc., 10/22/81. P. 100956-100959. Handwritten notes regarding site specific elements and a map of sampling points are attached.
221. Letter of Transmittal to Mr. David McErnery, U.S. EPA, from Mr. David Clark, New Castle County Department of Public Works, re: List of wells to be sampled, 10/22/81. P. 100960-100961. A map of sampling points is attached.
222. Inorganics Traffic Reports for Sample Numbers MC8347-MC8354, MC8366, MC8368, MC8369, MC8383, MC8384, MC8386-MC8399, MC8397-MC8399, MC8468, MC8470, MC8472-MC8474, to Versar, Inc., from U.S. EPA, 11/11/81. P. 100962-100991. Three Chain of Custody Forms and three Federal Express receipts are attached.
223. Chain of Custody Record, 11/11/81. P. 100992-101002. Eleven Organics Traffic Reports and one Federal Express receipt are attached.
224. Chain of Custody Records, 11/12/81. P. 101003-101032. Twenty Organics Traffic Reports and six Inorganics Traffic Reports and one Federal Express receipt are attached.
225. Memorandum to Superfund Coordinators Region I-X, U.S. EPA, from Mr. William N. Aedeman, Jr., U.S. EPA, re: Verification of State Expenditures during CERCLA Credit Program, 11/30/81. P. 101033-101036. A copy of Federal Statutes are attached.
226. Acknowledgement of Completion of Technical Direction Document, 12/15/81. P. 101037-101037.
227. Record of Communication to Ms. Chris Hladchuck from Mr. David Clark, re: FIT Site Inspection Report, 12/23/81. P. 101038-101038.
228. Potential Hazardous Waste Site Inspection Report, 1/6/82. P. 101039-101049.
229. Memorandum to Mr. David McErnerney, U.S. EPA, from Mr. Robert Koroncai, U.S. EPA, re: Local surface water assessment, 2/11/82. P. 101050-101050.

230. Letter to Mr. Bernie Dworsky, New Castle County Water Resources Agency, from Ms. Christine Hladchuck, U.S. EPA, re: Superfund program meeting of February 3, 1982, 2/16/82. P. 101051-101051.
231. Letter to Mr. David Clark, New Castle County Department of Public Works, from Mr. Robert J. Zimmerman, Delaware Department of Natural Resources and Environmental Control, re: Llangollen pumping wells, 3/25/82. P. 101052-101053.
232. Acknowledgement of Completion of Technical Direction, 3/27/82. P. 101054-101055.
233. Letter to Mr. Timothy M. Rafferty from Mr. Walter F. Lee, U.S. EPA, re: Site Inspection Report, analytical results, and the Hydrogeological Assessment Report, 3/31/82. P. 101056-101056.
234. Letter to Mr. Peter N. Johnson, Artesian Water Company, from Mr. Walter F. Lee, U.S. EPA, re: Site Inspection Report, analytical results, and the Hydrogeological Assessment Report, 3/31/82. P. 101057-101058. A request letter is attached.
235. Letter to Mr. Albert W. Madora, New Castle County Department of Public Works, from Mr. William M. Bulman, U.S. EPA, re: Pretreatment evaluation of Llangollen leachate, 4/2/82. P. 101059-101061.
236. Letter to Mr. Robert Touhey, Delaware Department of Natural Resources and Environmental Control, re: Meeting of March 11, 1982 concerning remedial measures, 4/19/82. P. 101062-101064. A list of issues is attached.
237. Letter to Mr. William M. Bulman, U.S. EPA, from Mr. Robert J. Touhey, Delaware Department of Natural Resources and Environmental Control, re: Responsibility of the Delaware Department of Natural Resources and Environmental Control, 4/23/82. P. 101065-101068. A letter regarding site issues is attached.
238. Letter to Mr. Robert J. Touhey, Delaware Department of Natural Resources and Environmental Control, from Mr. Lawrence H. Benning, U.S. EPA, re: Letter dated April 23, 1982, 6/8/82. P. 101069-101070.

239. Report: A Hydrologic Survey of Army Creek Landfill and Delaware Sand and Gravel Landfill, prepared by Mr. C. K. Lee, Ecology and Environment, Inc., and Mr. Joseph G. McGovern, Ecology and Environment, Inc., 6/8/82. P. 101071-101135.
240. Letter to Mr. Lawrence H. Benning, U.S. EPA, from Mr. Robert J. Zimmerman, Delaware Department of Natural Resources and Environmental Control, re: Llangollen wells, 7/19/82. P. 101136-101137.
241. Report: Hazard Ranking System Modeling of Army Creek Landfill, prepared by Mr. Doug Taylor, Ecology and Environment, Inc., and Mr. Garth Glenn, Ecology and Environment, Inc., 7/28/82. P. 101138-101187.
242. Letter to Mr. David Clark, New Castle County Department of Public Works, from Ms. Christine Hladchuck Altomari, U.S. EPA, re: Hydrogeological Report, 8/27/82. P. 101188-101188.
243. Letter to Mr. David Clark, New Castle County Department of Public Works, from Mr. Robert J. Zimmerman, Delaware Department of Natural Resources and Environmental Control, re: Llangollen wells, 9/9/82. P. 101189-101189.
244. Memorandum to Mr. Bucky Walters from Ms Chris Altomari, U.S. EPA, re: Health/Environment Assessment, 9/17/82. P. 101190-101190.
245. Report: Well Drilling at Delaware Sand and Gravel Landfill, prepared by Mr. C. K. Lee and Mr. Joseph G. McGovern, 10/8/82. P. 101191-101349.
246. Letter to Mr. David C. Clark, New Castle County Department of Public Works, from Mr. Alan H. Simpson, Delaware Department of Natural Resources and Environmental Control, re: Llangollen wells, 10/15/82. P. 101350-101351.
247. Letter to Mr. Thomas Eichler, Delaware Department of Natural Resources and Environmental Control, from Mr. Albert W. Madora, New Castle County Department of Public Works, re: Pollution abatement program, 10/21/82. P. 101352-101352.

248. Handwritten note to Mr. Bryan Sullivan, New Castle County, re: Scheduled phone call, 2/1/83. P. 101353-101353.
249. Report: A Field Trip Report for Army Creek Site, prepared by James Strickland, NUS Corporation, 12/17/84. P. 101354-101364.
250. Routing and Transmittal Slip to Ms. Sue Belski, U.S. EPA, from Ms. Mary Rohner re: Requested municipal government information, 1/24/86. P. 101365-101370. The information is attached.
251. Inventory sheet of Llangollen Landfill, (undated). P. 101371-101371.
252. Inventory Sheet of Hydrologic Survey, Llangollen Landfill, (undated). P. 101372-101372.
253. Inventory Sheet of Delaware Sand and Gravel/Army Creek Landfill, (undated). P. 101373-101373.
254. Inventory sheet of Llangollen Landfill, (undated). P. 101374-101374.
255. The Statute Authorizing Levy Court to Acquire Land in the County or any Interest therein and to Construct and Operate upon the Land so Acquired a Sanitary Landfill Supersedes Zoning Regulations, (undated). P. 101375-101378.
256. Composition of Waste printout, (undated). P. 101379-101382.
257. Partial Report: Section V : Next Steps, (undated). P. 101383-101383.
258. Fiscal Year 76 Landfill Budget for Solid Waste OR&D, (undated). P. 101384-101384.
259. Well site maps, (undated). P. 101385-101387.
260. Routing and transmittal slip to Mr. Ort Villa [sic] from Mr. Larry Miller re: Llangollen Landfill Survey, (undated). P. 101388-101388.
261. List of Army Creek meeting attendees, (undated). P. 101389-101389.

262. Table: Summary of Trends from Analyzing Data Since Approximately July 1974, (undated). P. 101390-101391.
263. Report: Preliminary Investigation of Ground Water Contamination Associated with the Llangollen Landfill, New Castle County, Delaware, prepared by Mr. Walter B. Satterthwaite, Jr. and Mr. Michael A. Apgar, (undated). P. 101392-101414.
264. Memorandum to Mr. Paul Nadeau from Ms. Christine Hladchuck, U.S. EPA, re: Summary of work performed by Roy F. Weston Inc., (undated). P. 101415-101415.
265. Report: Hydrogeochemical Studies at a Landfill in Delaware, prepared by Ms. Mary Jo Baedecker, Delaware Department of Natural Resources and Environmental Control, and Mr. Michael A. Apgar, Delaware Department of Natural Resources and Environmental Control, (undated). P. 101416-101453.
266. Report: Air Sampling of Llangollen Landfill, Wilmington, Delaware, prepared by Ecology and Environment, Inc., (undated). P. 101454-101457.
267. Letter to Mr. Robert J. Zimmerman, Delaware Department of Natural Resources and Environmental, from Mr. Lawrence H. Benning, U.S. EPA, re: NPDES application for all recovery wells, (undated). P. 101458-101459.
268. Mitre Model Llangollen Army Creek Landfill and Delaware Sand and Gravel Landfill, New Castle, Delaware, (undated). P. 101460-101472.
269. Mitre Model Documentation, Llangollen Landfill and Delaware Sand and Gravel Landfill, (undated). P. 101473-101475.
270. Part I - Summary of Federal Activity regarding the Llangollen Landfill, (undated). P. 101476-101516.
271. Report: Recommended Solution to Groundwater Contamination in the Vicinity of Army Creek Landfill, (author unknown), (undated). P. 101517-101519.
272. Notification of Hazardous Waste Site, (undated). P. 101520-101521.
273. Potential Hazardous Waste Site Log, (undated). P. 101522-101522.

274. Report: A Site Inspection of the Langollen Landfill and Delaware Sand and Gravel Landfill, prepared by Mr. C. K. Lee, Ecology and Environment, Inc., (undated). P. 101523-101667.
275. Partial Report: Appendix A through H, (author unknown), (undated). P. 101668-102004.
276. Partial Report: Appendix I through K, (author unknown), (undated). P. 102005-102213.
277. Partial Report: Appendix L through M, (author unknown), (undated). P. 102215-102424.
278. Partial Report: Appendices N and O, (author unknown), (undated). P. 102425-102840.
279. Partial Report: Appendix R, (author unknown), (undated), P. 102841-102894.
280. Partial Report: Appendices R (revised), (author unknown), (undated). P. 102895-102923.
281. Partial Report: Addendum to Appendix O and Appendix R, (author unknown), (undated). P. 102924-102976.
281. Partial Report: Addendum to Appendices and Appendix P, (author unknown), (undated). P. 102977-103202.
282. Partial Report: Appendix Q, (author unknown), (undated). P. 103203-103263.

II. REMEDIAL ENFORCEMENT PLANNING

1. Certificate of Insurance from Reliance Insurance Company to Landfill, Inc. for renting of land and operating a sanitary [sic] landfill, 10/3/63. P. 200001-200007. Prior policies are attached.
2. Certificate of Insurance from Reliance Insurance Company to Landfill, Inc. for renting of land and operating a sanitary landfill, 10/1/64. P. 200008-200008.
3. Request for production from Artesian Water Company, Plaintiff, to the Government of New Castle County, Defendants, In the Court of Chancery of the State of Delaware in and for New Castle County, 11/18/77. P. 200009-200011.
4. Defendants response to Request for Production between Artesian Water Company and the Government of New Castle County, in the Court of Chancery of the State of Delaware in and for New Castle County, 12/21/77. P. 200012-200013.
5. Potential Hazardous Waste Site Identification and Preliminary Assessment for Army Creek Landfill, 11/79. P. 200014-200017.
6. Potential Hazardous Waste Site log for Army Creek Landfill, New Castle County, Delaware, 11/14/79. P. 200018-200020.
7. Potential Hazardous Waste Site Final Strategy Determination for Army Creek Landfill, 2/20/80. P. 200021-200034. Tentative Disposition and Site Inspection reports are attached.
8. Letter to Mr. Albert Montague, U.S. EPA, from Mr. Richard J. Abrams, Richards, Layton & Finger, re: Discussion of status of remediation of the site, 6/25/80. P. 200035-200036.
9. Letter to Mr. Albert Montague, U.S. EPA, from Mr. Stephen E. Herrmann, Richards, Layton & Finger, re: Request for information discussed at the technical roundtable of November 1977, 6/26/80. P. 200037-200039.

10. Report: Private Well Sampling near the Intersection of Rt. 9 and Grantham Lane, 9/29/81 and 10/1/81. P. 200040-200046.
11. Record of Communication between Mr. Bruce Kraeuter and Ms. Christine Hladchuk, U.S. EPA, re: Private wells near the landfill site, 2/3/82. P. 200047-200047.
12. U.S. EPA ERRIS I Data Collection Report for Army Creek Landfill, 7/30/82. P. 200048-200051.
13. Letter to Micucio Brothers from Mr. Thomas C. Voltaggio, U.S. EPA re: Section 104(e) letter, 1/27/83. P. 200052-200053.
14. Letter to Mr. Wayne Loux, Wilmington Chemical Company, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/27/83. P. 200054-200055.
15. Letter to Mr. Neil Thomas, Gates EGINEERING Company, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/27/83. P. 200056-200057.
16. Letter to Mr. Geddes, Ashby, McKelvie & Geddes, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/27/83. P. 200058-200059.
17. Letter to Mr. Ed Wolper, Hercules Inc., from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/27/83. P. 200060-200061.
18. Letter to Mr. John V. Ryan, Rose Hill Drum Company, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/27/83. P. 200062-200063.
19. Letter to Mr. Neil Rivers, National Vulcanized Fiber, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/27/83. P. 200064-200065.
20. Letter to Ms. Sandra Kaufmann, New Castle County, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/28/83. P. 200066-200067.
21. Letter to Mr. N. C. Vasuki, Delaware Solid Waste Authority, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/28/83. P. 200068-200069.
22. Letter to Mr. Jack Sheehan, Stauffer Chemical Company, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/28/83. P. 200070-200071.

23. Letter to Mr. Frank Piluso, ERS Inc., from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/28/83. P. 200072-200073.
24. Letter to Mr. Paul Zavala, General Motors Corporation, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/28/83. P. 200074-200075.
25. Letter to Mr. Melford Tietze, ICI Americas, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/28/83. P. 200076-200077.
26. Letter to Mr. Charles B. Hopkins, FMC Corporation, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/28/83. P. 200078-200079.
27. Letter to Mr. Peter N. Johnson, Artesian Water Company, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/28/83. P. 200080-200081.
28. Letter to Chemetron Chemicals Company from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/28/83. P. 200082-200083.
29. Letter to Mr. R. I. Kubish, Chrysler Corporation, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/28/83. P. 200084-200085.
30. Letter to Mr. H. Dudley Barton, Ametek Incorporated, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/28/83. P. 200086-200085.
31. Letter to Mr. Walter Quanstrom, Amoco Chemical Company, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 1/28/83. P. 200088-200089.
32. Telephone conversation record of Mr. Bryan Sullivan, New Castle County, re: Specificity of EPA request for information, 2/18/83. P. 200090-200090.
33. Letter to Mr. Thomas C. Voltaggio, U.S. EPA, from Mr. N. C. Vasuki, Delaware Solid Waste Authority, re: Response to information request, 2/1/83. P. 200091-200091.
34. Letter to Mr. Thomas C. Voltaggio, U.S. EPA, from Mr. Paul Zavola, General Motors Corporation, re: Response to request for information, 2/7/83. P. 200092-200093.

35. Letter to Ms. Lisa Sigler, U.S. EPA, from Ms. Sandra Kaufmann, New Castle County, re: Response to information requests, 3/9/83. P. 200094-200094.
36. Letter to Mr. John D. Cucinotta, East Coast Pollution Control, Inc., from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 5/16/83. P. 200095-200096.
37. Letter to Mr. John L. Tucker, Sartomer Resins, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 5/16/83. P. 200097-200098.
38. Letter to Ms. Sandra Kaufmann, New Castle County Department of Law, from Mr. Thomas C. Voltaggio, U.S. EPA, re: 104(e) letter, 5/16/83. P. 200099-200100. A study report is attached.
39. Army Creek Site Attendance List, 4/16/85. P. 200101-200104. A Routing and Transmittal Slip is attached.
40. Letter to Ms. Mary Mullaney de Rivera, U.S. EPA, from Ms. Sandra Kaufmann, New Castle County, re: Request for extension to furnish information, 5/20/83. P. 200105-200105.
41. Letter to Ms. Mary Mullaney, U.S. EPA, from Ms. Sandra Kaufmann, New Castle County, re: Transmittal of requested documents, 6/17/83. P. 200106-200106.
42. Letter to Mr. Richard T. Collins, New Castle County, from Mr. Ellis D. Taylor, Artesian Water Company, re: Claim for costs incurred, 10/6/83. P. 200105-200117. Estimated cost for connection to Chester water, cost differential water production costs, depreciation, additional costs and additional documents are attached.
43. Letter to WSMW Industries Inc. from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200118-200121. A certified mail receipt is attached.
44. Letter to Wright Construction Company from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200122-200125. A certified mail receipt is attached.
45. Letter to Mr. Stanley J. Twardus, Stanley J. Twardus & Sons Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200126-200128.

46. Letter to Mr. Milton Slovin of Trash Removers Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200129-200132. A certified mail receipt is attached.
47. Letter to Mr. Jack Sheehan, Stauffer Chemical Company, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200133-200136. A certified mail receipt is attached.
48. Letter to Mr. Perry Trechak, Seton Company, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200137-200140. A certified mail receipt is attached.
49. Letter to Mr. John M. Fox, SCA Services, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200141-200144. A certified mail receipt is attached.
50. Letter to Mr. John C. Peet, Jr., Rollins Environmental Services, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200145-200148. A certified mail receipt is attached.
51. Letter to Micucio Brothers from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200149-200152. A certified mail receipt is attached.
52. Letter to Liquid Removal Services Company, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200153-200156. A certified mail receipt is attached.
53. Letter to Lightman Drum Company, Inc. from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200157-200160. A certified mail receipt is attached.
54. Letter to Kennecott Corporation from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200161-200164. A certified mail receipt is attached.
55. Letter to J.T. Scott Construction Company from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200165-200168. A certified mail receipt is attached.

56. Letter to James Cullen Company Contractors from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200169-200172. A certified mail receipt is attached.
57. Letter to Mr. Melford Tietze, ICI Americas, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200173-200176. A certified mail receipt is attached.
58. Letter to Mr. Robert E. Mercer, Goodyear Tire & Rubber Company, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200177-200180. A certified mail receipt is attached.
59. Letter to Ms. Paula Zavola, General Motors Corporation, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200181-200184. A certified mail receipt is attached.
60. Letter to Mr. Neil Thomas, Gates Engineering Company, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200185-200188. A certified mail receipt is attached.
61. Letter to Mr. A.E. Brenner, Fire Chief Fire Extinguisher Company, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200189-200192. A certified mail receipt is attached.
62. Letter to Mr. Frank Piluso, ERS Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200193-100196. A certified mail receipt is attached.
63. Letter to Diamond Shamrock Corporation from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200197-200200. A certified mail receipt is attached.
64. Letter to Mr. William M. Redd, The City of Newark, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200201-200203.
65. Letter to Mr. S. Bruce Smart, Continental Can Equipment Company, Inc., from Mr. Stephen R. Wassersug, U.S. EPA,

re: Request for information, 12/19/84. P. 200204-200206.

66. Letter to Delaware Brick Company from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200207-200209.
67. Letter to Mr. John F. Klingmeyer, The City of New Castle, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200210-200212.
68. Letter to Chemtron Chemicals from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200213-200215.
69. Letter to Mr. A. D. Hinkle, Champlain Cable Corporation, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200216-200218.
70. Letter to Mr. Dudley A. Ward, The Budd Company, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200219-200221.
71. Letter to Mr. Gene Banta, Gene Banta Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200222-200224.
72. Letter to Mr. David W. Mitchel, Avon Products, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200225-200227.
73. Letter to Arrow Leasing Corporation from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200228-200230.
74. Letter to Mr. Walter Quanstrom, Amoco Chemical Company, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200231-200233.
75. Letter to Mr. H. Dudley Barton, Ametek Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200234-200236.
76. Letter to Allied Kid Company from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 12/19/84. P. 200237-200239.

77. Letter to Ms. Judith Dorsey, U.S. EPA, from Mr. Leonard F. Charla, General Motors Corporation, re: Response to information request, 2/5/85. P. 200240-200251. Support documentation is attached.
78. Letter to U.S. EPA from Mr. Neal T. Rountree, The Goodyear Tire & Rubber Company, re: Response to information request, 2/7/85. P. 200252-200253. An envelope is attached.
79. Letter to Ms. Susan Belski, U.S. EPA, from Mr. John E. Twardus, S.J. Twardus, Inc., re: U.S. EPA intent to remediate the site, 9/23/85. P. 200254-200254.
80. Letter to Ms. Sue Belski, U.S. EPA, from Ms. Pamela Meitner, E.I. DuPont de Nemours & Company, Inc., re: Explanation of trademark names, 10/4/85. P. 200255-200255.
81. Letter to Ms. S. Beliski, U.S. EPA, from Ms. Pamela Meitner, DuPont, re: Notification of applications of test packs, 10/9/85. P. 200256-200256.
82. Letter to Mr. Eugene Berman, E.I. DuPont de Nemours & Company, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: U.S. EPA intent to remediate the site, 12/2/85. P. 200257-200259.
83. Letter to Mr. H. Dudley Barton, Ametek Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: U.S. EPA intent to remediate the site, 12/2/85. P. 200260-200262.
84. Letter to Mr. Edward Wolper, Hercules Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: U.S. EPA intent to remediate the site, 12/2/85. P. 200263-200265.
85. Letter to Mr. Melford Tietze, ICI American [sic], from Mr. Stephen R. Wassersug, U.S. EPA, re: U.S. EPA intent to remediate the site, 12/2/85. P. 200266-200268.
86. Letter to Mr. David Clark, New Castle County, from Mr. Stephen R. Wassersug, U.S. EPA, re: U.S. EPA intent to remediate the site, 12/2/85. P. 200269-200271.
87. Letter to Mr. J.D. Sheehan, Stauffer Chemical Company, from Mr. Stephen R. Wassersug, U.S. EPA, re: U.S. EPA intent to remediate the site, 12/2/85. P. 200272-200274.

88. Letter to the Honorable Charles M. Oberly, III, State of Delaware from Mr. Stephen R. Wassersug, U.S. EPA, re: U.S. EPA intent to remediate the site, 12/2/85. P. 200275-200277.
89. Letter to Mr. Angelo Terranova from Mr. Stephen R. Wassersug, U.S. EPA, re: U.S. EPA intent to remediate the site, 12/2/85. P. 200278-200280.
90. Letter to Mr. Neil R. Rivers, NVF Company, from Mr. Stephen R. Wassersug, U.S. EPA, re: U.S. EPA intent to remediate the site, 12/2/85. P. 200281-200283.
91. Letter to Twardus & Sons, from Mr. Stephen R. Wassersug, U.S. EPA, re: U.S. EPA intent to remediate the site, 12/2/85. P. 200284-200286.
92. Letter to Mr. Charles B. Hopkins, FMC Corporation, from Mr. Stephen R. Wassersug, U.S. EPA, re: U.S. EPA intent to remediate the site, 12/2/85. P. 200287-200289.
93. Memorandum to Ms. Ellen C. Teplitzky, U.S. EPA, from Mr. Kermit Rader, U.S. EPA, re: State of Delaware response, 12/4/85. P. 200290-200290.
94. Letter to Mr. Kermit Rader, U.S. EPA, from Mr. Stephen E. Herrmann, Richards, Layton & Finger, re: Response to information request, 12/10/85. P. 200291-200291.
95. Letter to Mr. Kermit Rader, U.S. EPA, from Mr. Paul R. Wilkinson, E.I. DuPont de Nemours & Company, Inc., re: Response to information request, 12/17/85. P. 200292-200294. Prior letters are attached.
96. Letter to Mr. Kermit Rader, U.S. EPA, from Mr. Harold S. Russell re: Response to information requests, 12/17/85. P. 200295-200296.
97. Letter to Mr. Stephen E. Herrmann, Richards, Layton & Finger, from Ms. Ellen C. Teplitzky, U.S. EPA, re: Basis of NVF status as a potentially responsible party, 12/18/85. P. 200297-200297.
98. Letter to Mr. Kermit Rader, U.S. EPA, from Mr. Edward Wolper, Hercules Inc., re: Response to information requests, 12/19/85. P. 200298-200301. Prior letter is attached.

99. Letter to Mr. & Mrs. Domenick and Marion Cantera, Westover Hills, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for information, 1/30/86. P. 200302-200305. An envelope is attached.
100. Letter to Mr. Kermit Rader, U.S. EPA, from Mr. J.D. Sheehan, Stauffer Chemical Company, re: Response to information requests, 2/6/86. P. 200306-200306.
101. Letter to Mr. Kermit Rader, U.S. EPA, from Mr. James McGeddes, Ashby, McKelvie & Geddes, re: Response to information request, 2/6/86. P. 200307-200308.
102. Letter to Mr. James McGeddes, Ashby, McKelvie & Geddes, from Ms. Ellen C. Teplitzky, U.S. EPA, re: Basis of Harvey & Harvey, Inc. status as a potentially responsible party, 2/27/86. P. 200309-200309.
103. Memorandum to Ms. Galina Bendersky from Ms. Ellen C. Teplitzky, U.S. EPA, re: Response to Mr. Truitt's request, 3/5/86. P. 200310-200310.
104. Memorandum to Ms. Galina Bendersky, U.S. EPA, from Ms. Ellen C. Teplitzky, U.S. EPA, re: Summary of oral argument, 3/19/86. P. 200311-200316.
105. Letter to the Honorable Michael Castle, Governor of Delaware, from Ms. Ellen C. Teplitzky, U.S. EPA, re: Recovery of costs from fire on site, 4/8/86. P. 200317-200319. A certified mail receipt is attached.
106. Letter to the Honorable Rita Justice, New Castle County, from Ms. Ellen C. Teplitzky, U.S. EPA, re: Recovery of costs from fire on site, 4/8/86. P. 200320-200322. A certified mail receipt is attached.
107. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Mr. George J. Weiner, Schmeltzer, Aptaker & Sheppard, re: Response to fire cost recovery request, 4/14/86. P. 200323-200323.
108. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Mr. Robert R. Thompson, The State of Delaware, re: Response to notice, 5/8/86. P. 200324-200325.
109. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Mr. George J. Weiner, Schmeltzer, Aptaker & Sheppard, re:

Investigation Reports, 6/26/86. P. 200326-200335. The reports are attached.

110. Letter to Mr. J. D. Sheehan, Stauffer Chemical Company, from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/14/86. P. 200336-200336.
111. Letter to Mr. Neil R. Rivers, NVF Company, from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/14/86. P. 200337-200337.
112. Letter to Mr. Angelo Terranova from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/14/86. P. 200338-200338.
113. Letter to Mr. Eugene Berman, E.I. DuPont de Nemours & Company, Inc., from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/14/86. P. 200339-200339.
114. Letter to Mr. Charles B. Hopkins, FMC Corporation, from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/14/86. P. 200340-200340.
115. Letter to Stanley J. Twardus & Sons, Inc. from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/14/86. P. 200341-200341.
116. Letter to Mr. H. Dudley Barton, Ametek Inc., from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/14/86. P. 200342-200342.
117. Letter to Mr. Joseph C. Kelly, ICI Americas Inc., from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/14/86. P. 200343-200343.
118. Letter to Mr. Edward Wolper, Hercules Inc., from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/14/86. P. 200344-200344.

119. Letter to Mr. Anthony E. Micale, Chrysler Corporation, from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/14/86. P. 200345-200345.
120. Letter to Material Transit, Inc. from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200346-200346.
121. Letter to Mr. Elmer Saienni from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200347-200347.
122. Letter to Mr. William Saienni from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200348-200349. A certified mail receipt is attached.
123. Letter to Mr. Salvatore J. Saienni from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200350-200351. A certified mail receipt is attached.
124. Letter to Ms. Anita Del Aversano from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200352-200353. A certified mail receipt is attached.
125. Letter to Mr. George T. Kelly, Gates Engineering Company, Inc., from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200354-200354.
126. Letter to Delaware Sand & Gravel, Inc. from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200355-200355.
127. Letter to Mr. Vincent Del Aversano from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200356-200357. A certified mail receipt is attached.
128. Letter to The Budd Company from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200358-200358.

129. Letter to Ms. Renee D. Baruch, Avon Products, Inc., from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200359-200359.
130. Letter to Atlantic Aviation Corporation from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200360-200360.
131. Letter to Mr. Ernest R. Bosetti, General Motors Corporation, from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200361-200361.
132. Letter to Mr. Edgar T. Harvey, Jr. from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200362-200362.
133. Letter to Landfill, Inc from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200363-200363.
134. Letter to Harvey & Harvey, Inc. from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200364-200364.
135. Letter to Mr. & Mrs. Domenic and Marion Cantera from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Feasibility Study, 8/15/86. P. 200365-200365.
136. Letter to Mr. Joseph C. Kelly, ICI American [sic], from Ms. Ellen C. Teplitzky, U.S. EPA, re: Invitation to participate in remediation planning, 8/15/86. P. 200366-200366.
137. Letter to Mr. Edward Wolper, Hercules Inc., from Ms. Ellen C. Teplitzky, U.S. EPA, re: Invitation to participate in remediation planning, 8/15/86. P. 200367-200367.
138. Letter to Mr. Charles B. Hopkins, FMC Corporation, from Ms. Ellen C. Teplitzky, U.S. EPA, re: Invitation to participate in remediation planning, 8/15/86. P. 200368-200368.

139. Letter to Mr. Eugene Berman, E.I. DuPont de Nemours & Company, Inc., from Ms. Ellen C. Teplitzky, U.S. EPA, re: Invitation to participate in remediation planning, 8/15/86. P. 200369-200369.
140. Letter to Mr. H. Dudley Barton, Ametek Inc., from Ms. Ellen C. Teplitzky, U.S. EPA, re: Invitation to participate in remediation planning, 8/15/86. P. 200370-200370.
141. Letter to Mr. Neil R. Rivers, NVF Company, from Ms. Ellen C. Teplitzky, U.S. EPA, re: Invitation to participate in remediation planning, 8/15/86. P. 200371-200371.
142. Letter to Mr. Angelo Terranova from Ms. Ellen C. Teplitzky, U.S. EPA, re: Invitation to participate in remediation planning, 8/15/86. P. 200372-200372.
143. Letter to Twardus & Sons from Ms. Ellen C. Teplitzky, U.S. EPA, re: Invitation to participate in remediation planning, 8/15/86. P. 200373-200373.
144. Letter to Mr. J.D. Sheehan, Stauffer Chemical Company, from Ms. Ellen C. Teplitzky, U.S. EPA, re: Invitation to participate in remediation planning, 8/15/86. P. 200374-200374.
145. Letter to Mr. & Mrs. Domenic and Marion Cantera from Mr. Stephen R. Wassersug, U.S. EPA, re: Notification of joint potentially responsible party and U.S. EPA meeting on 8/21/86. P. 200375-200379. An envelope and a certified mail receipt are attached.
146. Letter to Mr. Anthony E. Micale, Chrysler Corporation from Mr. Stephen R. Wassersug, U.S. EPA, re: Notification of joint potentially responsible party and U.S. EPA meeting on August 28, 1986, 8/21/86. P. 200380-200383. A certified mail receipt is attached.
147. Letter to Mr. Salvatore J. Saienni from Mr. Stephen R. Wassersug, U.S. EPA, re: Notification of joint potentially responsible party and U.S. EPA meeting on August 28, 1986, 8/21/86. P. 200384-200386.

148. Letter to The Budd Company from Mr. Stephen R. Wassersug, U.S. EPA, re: Notification of joint potentially responsible party and U.S. EPA meeting on August 28, 1986, 8/21/86. P. 200387-200390. A certified mail receipt is attached.
149. Letter to Mr. Ernest R. Bosetti, General Motors Corporation, from Mr. Stephen R. Wassersug, U.S. EPA, re: Notification of joint potentially responsible party and U.S. EPA meeting on August 28, 1986, 8/21/86. P. 200391-200393. Two certified mail receipts are attached.
150. Letter to Mr. Edgar T. Harvey, Jr., Harvey & Harvey, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Notification of joint potentially responsible party and U.S. EPA meeting on August 28, 1986, 8/21/86. P. 200394-200397. A certified mail receipt is attached.
151. Letter to Mr. Vincent Del Aversano, Delaware Sand and Gravel, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Notification of joint potentially responsible party and U.S. EPA meeting on August 28, 1986, 8/21/86. P. 200398-200401. A certified mail receipt is attached.
152. Letter to Mr. George T. Kelly, Gates Engineering Co., Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Notification of joint potentially responsible party and U.S. EPA meeting on August 28, 1986, 8/21/86. P. 200402-200405. A certified mail receipt is attached.
153. Letter to Mr. Elmer D. Saienni, Material Transit, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Notification of joint potentially responsible party and U.S. EPA meeting on August 28, 1986, 8/21/86. P. 200406-200409. A certified mail receipt is attached.
154. Letter to Mr. Salvatore J. Saienni, Material Transit, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Notification of joint potentially responsible party and U.S. EPA meeting on August 28, 1986, 8/21/86. P. 200410-200413. A certified mail receipt is attached.

155. Letter to Mr. Joseph Del Aversano, Delaware Sand and Gravel, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Notification of joint potentially responsible party and U.S. EPA meeting on August 28, 1986, 8/21/86. P. 200414-200417. A certified mail receipt is attached.
156. Letter to Ms. Renee D. Baruch, Avon Products, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Notification of joint potentially responsible party and U.S. EPA meeting on August 28, 1986, 8/21/86. P. 200418-200420.
157. Letter to Mr. Tubbs Feinmore, Atlantic Aviation Corporation, from Mr. Stephen R. Wassersug, U.S. EPA, re: Notification of joint potentially responsible party and U.S. EPA meeting on August 28, 1986, 8/21/86. P. 200421-200424. A certified mail receipt is attached.
158. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Ms. Bonnie M. Benson, Parkowski, Noble and Guerke, re: Notification to U.S. EPA that Mr. Joseph Del Aversano is deceased, 8/26/86. P. 200425-200425.
159. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Mr. James McC. Geddes, Ashby, McKelvie & Geddes, re: Response to U.S. EPA inquiry, 8/27/86. P. 200426-200428. A prior letter is attached.
160. Letter to Mr. Kermit Rader, U.S. EPA, from Mr. Harold S. Russell, FMC Corporation, re: Response to meeting invitation. 8/27/86. P. 200429-200430.
161. Routing and Transmittal Slip from Ms. Ellen C. Teplitzky to Ms. Galina Bendersky re: Transmittal of file copies of letter to potentially responsible parties. 9/4/86. P. 200431-200448. Seventeen letters and a meeting attendance list are attached.
162. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Ms. Heidi Hughes, Jones, Day, Reavis & Pogue, re: Participation in potentially responsible party negotiations, 9/10/86. P. 200449-200450.
163. Letter to Mr. Dennis V. Brennan, Morgan, Lewis & Bockius, re: ICI Americas Inc.'s participation in potentially responsible party negotiations, 9/11/86. P. 200451-200453. A prior letter is attached.

164. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Mr. Edmund B. Frost, Kirkland & Ellis, re: Incorrect status of General Motors as a potentially responsible party, 9/11/86. P. 200454-200455.
165. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Ms. Jennifer Berke, Kelly, Harrington, McLaughlin & Foster, re: Concurrence with Feasibility Study and Record of Decision comments by New Castle County, 9/15/86. P. 200456-200457. A service list is attached.
166. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Mr. J. Brian Molloy, Piper & Marbury, re: Avon Product's declination to voluntarily perform remedial action, 9/18/86. P. 200458-200459.
167. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Mr. J. Brian Molloy, Piper & Marbury, re: Concurrence with comments on the Feasibility Study and Record of Decision by New Castle County, 9/18/86. P. 200460-200460.
168. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Ms. Heidi Hughes, Jones, Day, Reavis & Pogue, re: Consideration of potential participation, 10/30/86. P. 200461-200461.
169. Letter to Mr. Wayne Ashbee, Delaware Department of Natural Resources and Environmental Control, from Mr. Robert J. Mitkus, U.S. EPA, re: Notice of Violation, 4/17/87. P. 200462-200465. A letter and a summary regarding the Clean Water Act proceedings are attached.
170. Letter to Ms. Elaine Harbold, U.S. EPA, from Mr. Paul Janiga August 28, 1986, Delaware Department of Natural Resources and Environmental Control , re: Transmittal of Complaint and Consent Order, 9/8/87. P. 200466-200480. The Consent Decree is attached.
171. Letter to Mr. Stanley Twardus from Ms. Susan Belski, U.S. EPA, re: Request for information, (undated). P. 200481-200481.
172. Letter to Mr. Jack Twardus from Ms. Susan Belski, U.S. EPA, re: Request for information, (undated). P. 200482-200482.

173. Letter to Mr. James A. Ries, Delaware Container Company, Inc., from Ms. Susan Belski, U.S. EPA, re: Request for information, (undated). P. 200483-200483.
174. Consent Agreement and Order between U.S. EPA and New Castle County, Delaware, (undated). P. 200484-200496.

ALLIED KID COMPANY

175. Letter to Allied Kid Company, from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 12/19/84. P. 200497-200500. A copy of an envelope is attached.
176. Letter to Mr. Stephen Wassersug, U.S. EPA, from Ms. Marie R. Faiola, CT Corporation System, re: Affiliation with Allied Kid Company, 12/21/84. P. 200501-200503. Two certified mail receipts are attached.

AMOCO

177. Letter to Mr. Walter Quanstrom, Amoco Chemical Company, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 1/28/83. P. 200504-200505.
178. Letter to Ms. Mary deRivera, U.S. EPA, from Mr. James D. Pickett, Standard Oil Company, re: Request for information, 4/11/83. P. 200506-200506.

ARROW LEASING

179. Letter to Ms. Susan Belski, U.S. EPA, from Ms. Melvyn A. Woloshin, Woloshin, Tenenbaum & Natalie, re: Confirmation of extension, 12/31/84. P. 200507-200507.
180. Handwritten Record of Telephone Conversation with Barbara Scott, Woloshin, Tenenbaum & Natalie, re: Extension of time, 12/31/84. P. 200508-200508.
181. Letter to Ms. Susan Belski, U.S. EPA, from Mr. Albert T. Sammons, Arrow Leasing, Inc., re: Response to 104(e) letter, 1/7/85. P. 200509-200513. Two envelopes and two certified mail receipts are attached.

ARTESIAN WATER

182. Letter to Ms. Lisa Seglin, U.S. EPA, from Mr. David B. MacGregor, Morgan, Lewis & Bockius, re: Assistance in remediating the site, 12/7/82. P. 200514-200515.
183. Letter to Mr. Peter N. Johnson, Artesian Water Company, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 1/28/83. P. 200516-200517.
184. Letter to Ms. Lisa Seglin, U.S. EPA, from Mr. Richard Abrams, Richards, Layton & Finger, re: Response to 104(e) letter, 2/2/83. P. 200518-200521.

CHRYSLER

185. Letter to R. I. Kubish, Chrysler Corporation, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 1/28/83. P. 200522-200523.

CONTINENTAL CAN

186. Response to 104(e) letter by Continental Group, Inc., 12/15/82. P. 200524-200532.

DELAWARE BRICK

187. Handwritten Record of Telephone Conversation to Mr. Ken Barnes, Delaware Brick Company, re: Disposal of waste, 12/27/84. P. 200533-200533.
188. Letter to Ms. Susan Belski, U.S. EPA, from Mr. Kenneth Barnes, Delaware Brick Company, re: Response to 104(e) letter 12/28/84. P. 200534-200537.

DELAWARE CONTAINER

189. Letter to Delaware Container Co., Inc. from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 5/16/83. P. 200538-200539.
190. Letter to Ms. Mary Mullaney deRivera, U.S. EPA, from Mr. James A. Ries, re: Response to 104(e) letter, 6/7/83. P. 200540-200540.

DELAWARE SOLID WASTE

191. Letter to N.C. Vasuki, Delaware Solid Waste Authority, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 1/28/83. P. 200541-200542.

192. Letter to Mr. Thomas Voltaggio, U.S. EPA, from N.C. Vasuki, Delaware Solid Waste Authority, re: Response to 104(e) letter, 2/1/83. P. 200543-200543.

DIAMOND SHAMROCK

193. Letter to Mr. I.F. Polasek, Diamond Shamrock, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, (undated). P. 200544-200545.

DUPONT

- 194 Letter to Mr. Eugene Berman, E.I. duPont Company, from U.S. EPA, re: 104(e) request for information, 1/28/83. P. 200546-200546.

EAST COAST POLLUTION

195. Letter to Mr. John D. Cucinotta, East Coast Pollution Control, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 5/16/83. P. 200547-200548.
196. Letter to Ms. Mary Mullaney deRivera U.S. EPA, from Mr. John D. Cucinotta, Eastcoast Pollution Control, Inc., re: Response to 104(e) letter, 5/19/83. P. 200549-200549.

ERS INC

197. Letter to Mr. Frank Piluso, ERS Inc., from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 1/28/83. P. 200550-200553. Two certified mail receipts are attached.

FIRE CHIEF

198. Letter to Ms. Susan Belski, U.S. EPA, from A.E. Brenner, Fire Chief Fire Extinguisher Co., re: Response to 104(e) letter, 1/11/85. P. 200554-200557. An envelope and two certified mail receipts are attached.

FMC CORP

199. Letter to Mr. Charles B. Hopkins, FMC Corporation, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 1/28/83. P. 200558-200559.

GOODYEAR TIRE

200. Letter to Mr. Paul Zavala, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 1/28/83. P. 200560-200561.
201. Handwritten telephone conversation record with Mr. Kermit Rader, re: Affiliation with the site, 1/4/84. P. 200562-200562.
202. Letter to U.S. EPA, from Mr. Neal Rountree, The Goodyear Tire & Rubber Company, re: Preliminary response to the 104(e) letter, 1/14/85. P. 200563-200565. An envelope and a certified mail receipt are attached.
203. Letter to U.S. EPA, from Mr. Neal Rountree, The Goodyear Tire & Rubber Company, re: Response to 104(e) letter, 2/7/85. P. 200566-200569. An envelope and a certified mail receipt are attached.

HARVEY & HARVEY

204. Letter to Ms. Lisa Seglin, U.S. EPA, from Ms. Jeanne Langdon, Department of Natural Resources & Environmental Control (DNREC), re: Transmittal of certificate of incorporation, 9/23/82. P. 200570-200576. The certificate of incorporation is attached.
205. Letter to Mr. Geddes, Ashby, McKelrie & Geddes, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 1/27/83. P. 200577-200578.
206. Letter to Ms. Lisa Seglin, U.S. EPA, from Mr. James Geddes, Ashby, McKelvie & Geddes, re: Review of documents, 2/28/83. P. 200579-200580.
207. Memorandum to Ms. Lisa Seglin, U.S. EPA, from Mr. Chris Altomari, U.S. EPA, re: Findings of document review, 3/14/83. P. 200581-200584. A letter regarding discontinuation of liquid dumping and a letter discontinuing refuge acceptance is attached.

208. Letter to Harvey and Harvey, Incorporated, from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 12/27/84. P. 200585-200587.
209. Letter to Mr. Kermit Rader, U.S. EPA, from Mr. James Geddes, Ashby, McKelvie & Geddes, re: Response to 104(e) request for information, 1/30/85. P. 200588-200590. Two certified mail receipts are attached.

ICI AMERICAS

210. Letter to Mr. Melford Tietze, ICI Americas, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 1/28/83. P. 200591-200592.
211. Letter to Mr. Thomas Voltaggio, U.S. EPA, from Mr. Melford Tietze, ICI Americas Inc., re: Inability to respond to 104(e) request, 2/10/83. P. 20593-200593.
212. Handwritten Record of Conversation with Mr. Melford Tietze, ICI Americas, Inc., re: Rescheduled response to the 104(e) request, 12/21/84. P. 200594-200594.
213. Letter to Ms. Susan Belski, U.S. EPA, from Mr. Melford Tietze, ICI Americas Inc., re: Rescheduled response to the 104(e) request, 12/21/84. P. 200595-200598. An envelope and two certified mail receipts are attached.
214. Letter to Mr. Susan Belski, U.S. EPA, from Mr. Denis Brennan, Morgan, Lewis & Bockius, re: Response to 104(e) letter, 1/22/85. P. 200599-200600.

JAMES CULLEN

215. Two certified mail receipts addressed to Mr. James Cullen Company Contractors, 12/20/84. P. 200601-200602.

J.T. SCOTT

216. An envelope and a certified mail receipt addressed to J.T. Scott Construction Company, (undated). P. 200603-200604.

KENNECOTT/FLOURODYNAMIC

- 217 Letter to Kennecott Corporation, from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 12/19/84. P. 200605-200607.

LIGHTMAN DRUM

218. An envelope and a certified mail receipt addressed to Lightman Drum Company, Incorporated, (undated). P. 200608-200609.

LIQUID REMOVAL SERVICE

219. Letter to Mr. Liquid Removal Services Company, from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 12/19/84. P. 200610-200612.
220. Letter to Ms. Susan Belski, U.S. EPA, from Mr. Alex Petroski, Liquid Removal Service Co., Inc., re: Response to 104(e) request for information, 12/19/84. P. 200613-200615. An envelope and a certified mail receipt are attached.
221. Handwritten telephone conversation record with Mr. Alex Peterson, Liquid Removal Services, 12/21/84. P. 200616-200616.

MICUCIO BROTHERS

222. Letter to Micucio Brothers, from Mr. Joseph Aversano, Delaware Sand & Gravel Co., re: Notice of discontinuation of liquid waste, 10/8/69. P. 200617-200617.
223. Handwritten telephone conversation record with Carmen Micucio, re: Disposal of waste, 12/24/84. P. 200618-200618.
224. Letter to Ms. Susan Belski, U.S. EPA, from Mr. Carmen N. Micucio, Micucio Brothers, Inc., re: Response to telephone conversation on disposal of waste, 1/3/85. P. 200619-200621. An envelope and a certified mail receipt are attached.
225. Letter to Micucio Brothers, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, (undated). P. 200622-200623.

NEW CASTLE

226. A certified mail receipt addressed to Mr. John F. Klingmeyer, (undated). P. 200624-200624.

NVF

227. Letter to Mr. Neil Rivers, National Vulcanized Fiber, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 1/28/83. P. 200625-200626.
228. Letter to NVF Company, from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 12/27/84. P. 200627-200629.

ROLLINS ENVIRONMENTAL SERVICES

229. Letter to Mr. Barney Wander, Rollins Environmental Services, Inc., from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 5/16/83. P. 200630-200631.
230. Letter to Ms. Mary Mullaney deRivera, U.S. EPA, from Mr. John C. Peet, re: Response to 104(e) letter, 5/24/83. P. 200632-200632.
231. Handwritten Record of Conversation with Carlisle Peet, re: Rollins involvement with the site, 1/3/85. P. 200633-200633.
232. Letter to Mr. John C. Peet, Rollins Environmental Services, from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 1/11/85. P. 200634-200636.
233. Letter to Ms. Susan Belski, U.S. EPA, from Mr. J. Carlisle Peet, Rollins Environmental Services, Inc., re: Description of Rollins duties, 1/3/85. P. 200637-200641.
234. Letter to Ms. Susan Belski, U.S. EPA, from Mr. J. Carlisle Peet, Rollins Environmental Services, Inc., re: Response to 104(e) letter, 1/17/85. P. 200642-200643. An envelope is attached.

SARTOMER RESINS

235. Letter to Mr. John Tucker, Sartomer Resins, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 5/16/83. P. 200644-200645.

236. Letter to Ms. Mary Mullaney deRivera, U.S. EPA, from Mr. John Tucker, Esschem, Co., re: Response to the 104(e) letter, 5/24/83. P. 200646-200646.

SCA SERVICES, INC

237. Phone Conversation Record with Mr. John Stoviak, John Fox, SCA Services, Inc., 1/30/85. P. 200647-200647.
238. Letter to Ms. Susan Belski, U.S. EPA, from Mr. Michael Krancer, Dilworth, Paxson, Kalish & Kauffman, re: Receipt of the 104(e) letter, 1/31/85. P. 200648-200650. An envelope and a certified mail receipt are attached.
239. Telephone record conversation with Mr. John Stoviak, SCA Services, re: Confirmation of extension, 2/11/85. P. 200651-200651.
240. Letter to Ms. Susan Belski, U.S. EPA, from Mr. John Stoviak, Dilworth, Paxson, Kalish & Kauffman, re: Confirmation of extension, 2/12/85. P. 200652-200653. An envelope is attached.
241. Letter to Ms. Susan Belski, U.S. EPA, from Mr. Michael Krancer, Dilworth, Paxson, Kalish & Kauffman, re: Additional extension request, 2/25/85. P. 200654-200655. An envelope is attached.
242. Handwritten Record of Telephone Conversation with Mr. Jim Young, Chemical Waste Management, 2/28/85. P. 200656-200656.
243. Letter to Ms. Susan Belski, U.S. EPA, from Mr. Michael Krancer, Dilworth, Paxson, Kalish & Kauffman, re: Response to 104(e) letter, 3/4/85. P. 200657-200659.

SETON CO

245. Letter to U.S. EPA, from Mr. Perry Trechak, Seton Company, re: Transmittal of an insurance policy, 1/4/85. P. 200660-200676. A copy of the insurance policy and a certified mail receipt are attached.

STANLEY TWARDUS & SONS

246. Letter to Mr. Stanley Twardus, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 5/16/83. P. 200677-200678.
247. Letter to Mr. Stanley Twardus, Garbage Removal, from Mr. Thomas Voltaggio, re: 104(e) request for information, 5/23/83. P. 200679-200682. An envelope and a certified mail receipt are attached.

WASTE MANAGEMENT/TRASH REMOVERS

248. Letter to Mr. Milton Slovin, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 5/16/83. P. 200683-200684.
250. Letter to Mr. Milton Slovin, Trash Removers Incorporated, from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 5/19/83. P. 200685-200689. Two certified mail receipts are attached.

WEAVER POLE LINE CONSTRUCTION

251. Letter to Mr. John Weaver, Weaver Pole Line Construction Inc, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 5/16/83. P. 200690-200691.

WILMINGTON CHEMICAL COMPANY

252. Letter to Mr. Wayne Loux, Wilmington Chemical Company, from Mr. Thomas Voltaggio, U.S. EPA, re: 104(e) request for information, 1/27/83. P. 200692-200693.
253. Letter to Wilmington Chemical Corporation, from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 5/27/84. P. 200694-200696.

WILMINGTON ENAMEL

254. Letter to Ms. Lisa Seglin, U.S. EPA, from Mr. Perry Trechak, re: Response to 104(e) letter, 2/18/83. P. 200697-200697.

WSMW IND.

255. Letter to Ms. Susan Belski, U.S. EPA, from Mr. Thomas Haugh, WSMW Industries, Inc., re: Affiliation with the site, 12/27/84. P. 200697A-200699. An envelope and a certified mail receipt are attached.
256. Handwritten Record of Telephone Conversation with Mr. Tom Hall of WSMW Industries, re: Affiliation with the site, 12/27/84. P. 200700-200700.

WRIGHT CONSTRUCTION

257. Letter to Ms. Susan Belski, U.S. EPA, from Mr. Donald G. Wright, Wright Construction Co., re: Response to 104(e) letter, 1/4/85. P. 200701-200703. An envelope and a certified mail receipt are attached.
258. Handwritten telephone conversation record with Mr. Dan Wright, Wright Construction, re: Affiliation with the site, 1/4/85. P. 200704-200704.

Update Information

259. Memorandum to Mr. John Quander, U.S. EPA, from Ms. Susan Belski, U.S. EPA, re: Telephone conversation concerning amended Statement of Work, 12/12/85. P. 200705-200706. The amended Statement of Work is attached.

AVON PRODUCTS

260. Letter to Ms. Renee Baruch, Avon Products, from Ms. Susan Belski, U.S. EPA, re: Response to 104(e) inquiry, 5/23/85. P. 200707-200707.

HARVEY AND HARVEY

261. Letter to Harvey and Harvey from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 12/27/84. P. 200708-200711. A certified mail receipt is attached.

MATERIAL TRANSIT COMPANY

262. Letter to Material Transit Company from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 9/24/85. P. 200712-200714.

NVF COMPANY

263. Letter to NVF Company from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 12/27/84. P. 200715-200718. A certified mail receipt is attached.

ROLLINS ENVIRONMENTAL SERVICES

264. Letter to Mr. John C. Peet, Jr., Rollins Environmental Services(NJ), from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 1/11/85. P. 200719-200721.

STANDARD OIL COMPANY

265. Letter to Mr. James D. Pickett, Standard Oil Company, from Mr. Stephen Wassersug, U.S. EPA, re: Response to Freedom of Information request, 2/6/85. P. 200722-200723.

TWARDUS & SONS

266. Letter to Mr. Stanley J. Twardus, Twardus & Sons, from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 9/4/85. P. 200724-200726.

WESTOWN HILLS

267. Letter to Domenick and Marion Cantera, Westown Hills, from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 9/4/85. P. 200727-200729.

WILMINGTON CHEMICAL COMPANY

268. Letter to Mr. Wayne Loux, Wilmington Chemical Company, from Mr. Stephen Wassersug, U.S. EPA. re: 104(e) request for information, 12/27/84. P. 200730-200733. A certified mail receipt is attached.
269. Letter to Wilmington Chemical Corporation, from Mr. Stephen Wassersug, U.S. EPA, re: 104(e) request for information, 12/27/84. P. 200734-200737. A certified mail receipt is attached.

III. REMEDIAL RESPONSE PLANNING

1. Letter to Mr. Albert W. Madora, State of Delaware Public Works Department, from N.C. Vasuki, State of Delaware Department of Natural Resources and Environmental Control, re: Approval of requests, 6/28/73. P. 300001-300002.
2. Army Creek Sampling Results, 1977-1979. P. 300003-300025.
3. Memorandum to Mr. Larry Miller, U.S. EPA, from Mr. Paul E. Ambrose, U.S. EPA, re: Instructions for sampling from Llangollen Landfill, 1/12/77. P. 300026-300027.
4. Memorandum to Mr. Larry Miller, U.S. EPA, from Mr. Paul E. Ambrose, U.S. EPA, re: Change of well sampling sites, 1/19/77. P. 300028-300028.
5. Memorandum to file from Mr. Paul Ambrose, U.S. EPA, re: Telcon with Mr. John Egan concerning permit activities, 1/19/77. P. 300029-300030.
6. Memorandum to Mr. Donald E. Sanning, Environmental Research Center, from Mr. Albert Montague, U.S. EPA, re: Request for technical assistance, 2/11/77. P. 300031-300031.
7. Memorandum to Mr. Orterio Villa, U.S. EPA, from Mr. Larry S. Miller, U.S. EPA, re: Confirmation of discussion with Mr. John Eagan and Mr. Harry Otto concerning split samples, 2/22/77. P. 300032-300032.
8. Memorandum to Mr. Larry S. Miller, U.S. EPA, from Mr. Gregory Koltonuk, U.S. EPA, re: Comments on the Llangollen landfill, 2/28/77. P. 300033-300033.
9. Memorandum to Mr. James F. Manwaring, U.S. EPA, from Mr. Charles L. Kleeman, U.S. EPA, re: Split sample analysis, 4/15/77. P. 300034-300034.
10. Memorandum to Mr. Orterio Villa, U.S. EPA, from T.O. Munson, U.S. EPA, re: Description of completed sample analysis work, 5/9/77. P. 300035-300038.
11. Memorandum to Mr. Larry Miller, U.S. EPA, from Mr. Charles L. Kleeman, U.S. EPA, re: Program of sampling and analysis, 5/16/77. P. 300039-300039.

12. Memorandum to Mr. Albert Montague, U.S. EPA, from Mr. Donald E. Sanning, U.S. EPA, re: Transmittal of leachate sample analysis report, 5/16/77. P. 300040-300070. The report is attached.
13. Memorandum to Mr. Larry S. Miller, U.S. EPA, from Mr. Victor Guide, U.S. EPA, re: Instructions for water sample collection and analysis, 5/17/77. P. 300071-300072.
14. Memorandum to Mr. Larry A. Parker, U.S. EPA, from Mr. William F. Gersting, U.S. EPA, re: Transmittal of drinking water analysis, 5/18/77. P. 300073-300073.
15. Memorandum to Mr. James F. Manwaring, U.S. EPA, from Mr. Charles L. Kleeman, U.S. EPA, re: Transmittal of sample analysis, 5/20/77. P. 300074-300074.
16. Memorandum to Mr. Larry S. Miller, U.S. EPA, from Mr. Victor Guide, U.S. EPA, re: Sampling at Artesian Water Company, 5/20/77. P. 300075-300078. Two site location maps are attached.
17. Letter to Mr. A. Montague, U.S. EPA, from K.R. Hill, U.S. Department of Agriculture, re: Analysis of water samples and transmittal of chromatograms, 5/24/77. P. 300079-300085. Five chromatograms are attached.
18. Memorandum to Mr. Orterio Villa, Jr., U.S. EPA, from Mr. James Barron, U.S. EPA, re: Description of sampling technique and analysis, 5/24/77. P. 300086-300086.
19. Memorandum to Mr. Orterio Villa, U.S. EPA, from Mr. James Eichelberger and Mr. William L. Budde, U.S. EPA, re: Confirmation of telephone report on well water samples, 5/27/77. P. 300087-300087.
20. Memorandum to Mr. Orterio Villa, U.S. EPA, from Mr. James Barron, U.S. EPA, re: Transmittal of preliminary sample analysis, 5/31/77. P. 300088-300088.
21. Memorandum to Mr. Larry S. Miller, U.S. EPA, from Mr. Victor Guide, U.S. EPA, re: Final report of sampling and analysis of well water samples, 6/1/77. P. 300089-300090.

22. Memorandum to Merna Hurd, New Castle County Areawide Waste Treatment Management Program, from Mr. Bruce Krauter, New Castle County Areawide Waste Treatment Management Program, re: Status report on leachate contamination levels, 6/2/77. P. 300091-300101.
23. Letter to the Honorable Joseph R. Biden, Jr., U.S. Senate, from A.R. Morris, U.S. EPA, re: Transmittal of report concerning contamination of Army Creek, 6/3/77. P. 300102-300103.
24. Letter to the Honorable William V. Roth, Jr., U.S. Senate, from A.R. Morris, U.S. EPA, re: Transmittal of report concerning contamination of Army Creek, 6/3/77. P. 300104-300105.
25. Letter to Mr. Donal [sic] E. Sanning, U.S. EPA, from Foppe B. DeWalle, University of Washington, re: Transmittal of analysis of trace organics in water samples, 6/7/77. P. 300106-300112. The report is attached.
26. Letter to the Honorable William Proxmire, U.S. Senate, from the Honorable Joseph R. Biden, Jr., U.S. Senate, re: Transmittal of site status report and request for additional funding, 6/9/77. P. 300113-300114.
27. Memorandum to Mr. Orterio Villa, Jr., U.S. EPA, from Mr. James Barron, U.S. EPA, re: Transmittal of sample detection limits, 6/15/77. P. 300115-300115.
28. Memorandum to Mr. Albert Montague, U.S. EPA, from Mr. Paul E. Ambrose, U.S. EPA, re: Transmittal of information requested in meeting, 6/20/77. P. 300116-300123. Three letters are attached.
29. Letter to Mr. Donald K. Harmeson, State of Delaware Bureau of Environmental Health, Mr. William Northington, Amoco Chemical Company, Mr. Bangalore T. Lakshman, Artesian Water Company, Mr. John Egan, State of Delaware Department of Natural Resources, Mr. Albert Ma[?], City of Newark Department of Public Works, from Mr. Ramon G. Lee, U.S. EPA, re: Results of water sample analyses, 6/22/77. P. 300124-300125.
30. Memorandum to Mr. Larry Miller, U.S. EPA, from Mr. Victor Guide, U.S. EPA, re: Phase II recovery well sampling and analysis, 6/22/77. P. 300126-300127.

31. Memorandum to Mr. Larry Miller, U.S. EPA, from Mr. Victor Guide, U.S. EPA, re: Rescheduling of phase II recovery well sampling and analysis, 8/3/77. P. 300128-300128.
32. Memorandum to Mr. Paul Ambrose, U.S. EPA, from Mr. Larry S. Miller, U.S. EPA, re: Rescheduling of phase II sampling, 8/8/77. P. 300129-300129.
33. Memorandum to Mr. Larry S. Miller, U.S. EPA, from Mr. Ramon G. Lee, U.S. EPA, re: Sampling and analysis request, 8/23/77. P. 300130-300132.
34. Memorandum to Mr. Larry Miller, U.S. EPA, from Mr. Orterio Villa, Jr., U.S. EPA, re: Objection to continual need for sampling, 8/29/77. P. 300133-300133.
35. Memorandum to Mr. Alvin R. Morris, U.S. EPA, from Mr. Greene A. Jones, U.S. EPA, re: Summary of events at Army Creek Landfill, 9/15/77. P. 300134-300135.
36. Memorandum to Mr. Larry S. Miller, U.S. EPA, from Mr. Larry A. Parker, U.S. EPA, re: Transmittal of official data sample sheets, 9/27/77. P. 300136-300146. Ten official data sheets are attached.
37. Memorandum to Mr. Victor Guide, U.S. EPA, from T.O. Munson, U.S. EPA, re: Transmittal of purgeable organics analyses, 10/5/77. P. 300147-300148. The analyses are attached.
38. Memorandum to Mr. Paul Ambrose, U.S. EPA, from Mr. Victor Guide, U.S. EPA, re: Preliminary report of sample analysis findings, 10/6/77. P. 300149-300149.
39. Memorandum to Mr. Larry S. Miller, U.S. EPA, from Mr. Ramon G. Lee, U.S. EPA, re: Confirmation of discussion concerning sampling and analysis request, 10/17/77. P. 300150-300151.
40. Memorandum to Mr. Albert Montague, U.S. EPA, from Mr. Charles L. Kleeman, U.S. EPA, re: Status of endangerment to public water supplies, 10/19/77. P. 300152-300153.
41. Memorandum to Mr. Robert Mitkus, U.S. EPA, from Mr. Orterio Villa, Jr., U.S. EPA, re: Annapolis Field Office plan of action, 10/21/77. P. 300154-300154.

42. Memorandum to Mr. Robert J. Mitkus, U.S. EPA, from Mr. Orterio Villa, Jr., U.S. EPA, re: Findings on extractable fractions from Llangollen Landfill Wells nos. 53 and 28, 10/21/77. P. 300155-300155.
43. Memorandum to Mr. Orterio Villa, U.S. EPA, from Mr. Larry S. Miller, U.S. EPA, re: Clarification of Phase III action plan, 10/25/77. P. 300156-300156.
44. Memorandum to Mr. Al Montague, U.S. EPA, from Mr. Ort Villa, Jr., U.S. EPA, re: Final results for well sampling at nos. 53 and 28, 10/25/77. P. 300157-300157.
45. Letter to the Honorable Austin P. Olney, State of Delaware Department of Natural Resources and Environmental Control, from Mr. Jack J. Schramm, U.S. EPA, re: Transmittal of water sampling analysis results, 11/3/77. P. 300158-300159.
46. Memorandum to Mr. Paul Ambrose, U.S. EPA, from T.O. Munson, U.S. EPA, re: Transmittal of sampling analysis from Phase III, 11/7/77. P. 300160-300163. A table and a site location map are attached.
47. Memorandum to Mr. Al Montague, U.S. EPA, from T.O. Munson, U.S. EPA, re: Clarification of BCEE data analysis, 11/29/77. P. 300164-300164.
48. Memorandum to Mr. Robert L. Allen, U.S. EPA, from Mr. John J. Humphries, U.S. EPA, re: Meeting notes concerning solution to ground water pollution, 11/23/77. P. 300165-300166.
49. Memorandum to Mr. Joseph A. Galda, U.S. EPA, from Mr. Steven A. Croce, U.S. EPA, re: Report of meeting concerning leachate problem, 3/2/78. P. 300167-300168.
50. Memorandum to Mr. Robert L. Allen, U.S. EPA, from Mr. John J. Humphries, U.S. EPA, re: RCRA effects on Army Creek, 8/3/78. P. 300169-300170.
51. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. Joseph L. Slayton, U.S. EPA, re: Sampling test results, 2/12/79. P. 300171-300171.
52. Memorandum to Mr. Ramon G. Lee, U.S. EPA, from Mr. Charles L. Kleeman, U.S. EPA, re: Transmittal of sampling results, 4/10/79. P. 300172-300175. One

table of sampling results and two site location maps are attached.

53. Report: Hydrogeological Processes and Chemical Reactions at a Landfill, prepared by Ms. Mary Jo Baedecker and Mr. William Back, reprinted from the September-October 1979, Volume 17, Number 5 issue of "Ground Water". P. 300176-300185.
54. Letter to Mr. Thomas P. Eichler, State of Delaware Department of Natural Resources, from Mr. Greene A. Jones, U.S. EPA, re: State assumption of responsibility for sample analysis, 12/12/79. P. 300186-300187.
55. Letter to Mr. Greene A. Jones, U.S. EPA, from Mr. Thomas P. Eichler, Delaware Department of Natural Resources and Environmental Control, re: Discussion and comments on sampling results, 1/8/80. P. 300188-300225. Twenty requests for laboratory analyses are attached.
56. Letter to Mr. Albert Montague, U.S. EPA, from Mr. Richard J. Abrams, Richards, Layton & Finger, re: Summary and comments of meeting, 6/25/80. P. 300226-300227.
57. Letter to Mr. Albert Montague, U.S. EPA, from Mr. Stephen Herrmann, Richards, Layton & Finger, re: Request for U.S. EPA records on the technical roundtable conference of November 1977, 6/26/80. P. 300228-300244. The following are attached:
 - a) a letter concerning the response to a request for information;
 - b) a letter requesting reconsideration of response;
 - c) a statement of facts;
 - d) Defendant's Response to Request for Production;
 - e) Request for Production;
 - f) field analysis results;

g) a site location map.

58. Letter to Mr. Robert Greaves, U.S. EPA, from Mr. R. Bartchy, Delaware Department of Natural Resources and Environmental Control, re: NPDES Permit reissue, 6/30/80. P. 300245-300246. A letter regarding the Feasibility Study is attached.
59. Letter to Mr. Andrew Uricheck, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Transmittal of the proposed Work Plan for the Feasibility Study, 7/15/80. P. 300247-300252. The Feasibility Study is attached.
60. Delaware Department of Natural Resources and Environmental Control Request for Laboratory Analysis, 7/31/80-8/29/80. P. 300253-300258.
61. Report: Feasibility Study for the Discharge of Contaminated Groundwater from Army Creek Landfill Recovery Wells, New Castle County, Delaware, prepared by Roy F. Weston, Inc., 9/80. P. 300259-300334.
62. Delaware Department of Natural Resources and Environmental Control Requests for Laboratory Analysis, 9/17/80-10/31/80. P. 300335-300346.
63. Memorandum to Mr. Bernie Sarnoski, Mr. Robert Graves, Mr. Robert Allen, and Mr. Albert Montague, U.S. EPA, from Mr. William M. Bulman, U.S. EPA, re: Transmittal of draft Feasibility Study, 10/31/80. P. 300347-300348. A transmittal letter from the New Castle County Department of Public Works is attached.
64. Delaware Department, Natural Resources and Environmental Control Requests for Laboratory Analysis, 10/31/80. P. 300349-300350.
65. Letter to Mr. Victor F. Battaglia, Biggs & Battaglia, from Mr. Richard J. Abrams, Richards, Layton & Finger, re: Artesian's interest in well field studies, 11/10/80. P. 300351-300353.
66. Delaware Department of Natural Resources and Environmental Control Request for Laboratory Analysis, 11/19/80-12/12/80. P. 300354-300363.
67. Letter to Mr. Richard Emory, U.S. EPA, from Mr. Richard J. Abrams, Richards, Layton & Finger, re: Index of

documents received from U.S. EPA, 12/19/80. P. 300364-300365.

68. Letter to Mr. Thomas P. Eichler, Department of Natural Resources and Environmental Control, from Mr. William Bulman, U.S. EPA, re: Designation of personnel to review study, 1/12/81. P. 300366-300366.
69. Memorandum to Mr. Paul E. Ambrose, U.S. EPA, from Mr. Albert Montague, U.S. EPA, re: Transfer of regional coordination, 1/13/81. P. 300367-300367.
70. Letter to Mr. Richard Emory, U.S. EPA, from Mr. Richard J. Abrams, Richards, Layton & Finger, re: Request for action and transmittal of index of documents sent by U.S. EPA, 2/27/81. P. 300368-300369.
71. Memorandum of telephone conversation record of Mr. Dick Emory, U.S. EPA with Mr. Paul Ambrose, re: Letter writing coordination, 3/4/81. P. 300370-300370.
72. Letter to Mr. Albert W. Madora, New Castle County Water Resources Agency, from Mr. Ronald D. Hill, U.S. EPA, re: Review of New Castle County proposal for assistance, 3/12/81. P. 300371-300372.
73. Delaware Department Natural Resources and Environmental Control Request for Laboratory Analysis, 3/24/81-7/2/81. P. 300373-300406.
74. Memorandum to Mr. Paul Ambrose, U.S. EPA, from Mr. William M. Bulman, U.S. EPA, re: Transmittal of contract and scope of work for feasibility study, 4/28/81. P. 300407-300407.
75. Letter to Mr. Douglas Robb, New Castle County Department of Public Works, from Mr. Walter M. Leis and Mr. Abraham Thomas, Roy F. Weston, Inc., re: Transmittal of modified scope of work, 7/22/81. P. 300408-300433. A certification, the feasibility study scope of work, a five year plan and a supplemental agreement for leachate discharge feasibility are attached.
76. Letter to Mr. Albert Madora, New Castle County Department of Public Works, from Mr. R. Bartchy, Delaware Department of Natural Resources and Environmental Control, re: Reissue of NPDES Permit, 8/18/81. P. 300434-300434.

77. Memorandum to Mr. Larry Miller, U.S. EPA, from Mr. Phillip Retallick, U.S. EPA, re: Update review of Weston, Inc. labs, 8/18/81. P. 300435-300435.
78. Reconnaissance Waste Treatment Inspection Form, Llangollen Wells, 9/4/81. P. 300436-300436.
79. Delaware Department Natural Resources and Environmental Control Requests for Laboratory Analysis, 9/4/81. P. 300437-300438.
80. Letter to Mr. Robert J. Touhey, Delaware Department of Natural Resources and Environmental Control, from Mr. Albert Madora, New Castle County Department of Public Works, re: Feasibility Study required for NPDES Permit, 9/22/81. P. 300439-300440.
81. Safety Plan, prepared by Ecology and Environment, Inc., 9/28/81. P. 300441-300443.
82. Delaware Department, Natural Resources and Environmental Control Requests for Laboratory Analysis, 9/29/81. P. 300444-300445.
83. Report of private well sampling near the intersection of Route 9 and Grantham Lane, 9/29/81 & 10/1/81. P. 300446-300453. A list of addresses, a site location map and sampling results are attached.
84. Memorandum to Mr. Bruce P. Smith, U.S. EPA, from Ms. Christine Hladchuk, U.S. EPA, re: Trip Report, 10/20/81. P. 300454-300455.
85. Map showing suggested sampling points for Llangollen Landfill site, 10/21/81. P. 300456-300456.
86. Letter of Transmittal to Mr. David McEinerny, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Map of new wells, 10/22/81. P. 300457-300458. The map is attached.
87. Summary of field measurements, Table I, 11/9/81-11/11/81. P. 300459-300459.
88. Inorganic sample results for the Army Creek and Delaware Sand & Gravel Landfills, Table I, 11/10/81-11/11/81. P. 300460-300463.

89. Chain of Custody Record for well samples at Llangollen and Delaware Sand & Gravel Landfills, 11/11/81-11/12/81. P. 300464-300466.
90. Letter to Mr. Robert J. Touhey, Delaware Department of Natural Resources and Environmental Control, from Mr. Lawrence H. Benning, U.S. EPA, re: Reissuance of NPDES Permit, 11/17/81. P. 300467-300467.
91. Inorganics quality assurance reports, prepared by Versar Inc., 12/1/81. P. 300468-300479.
92. Letter to Mr. Phillip G. Retallick, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Transmittal of list of reports filed by Roy F. Weston, Inc., 12/1/81. P. 300480-300483. The list is attached.
93. Memorandum from Mr. William Nivens, Versar Inc., re: Transmittal of analytical and QC results for water samples, 12/3/81. P. 300484-300510. The data sheets are attached.
94. Memorandum from Mr. William Nivens, Versar Inc., re: Low soil matrix spike recoveries, 12/4/81. P. 300511-300524. The organics analysis data sheets and quality assurance sheets are attached.
95. Letter to Dr. Fred Haberer, U.S. EPA, from Mr. Paul A. Taylor, California Analytical Laboratories, Inc. re: Transmittal of data summary sheets and documentation for case 728, 12/8/81. P. 300525-300527. A summary of the results is attached.
96. Copy of letter to Dr. Fred Haberer, U.S. EPA, from Mr. Paul A. Taylor, California Analytical Laboratories, Inc. re: Data summary sheets and documentation, 12/8/81. P. 300528-300529. Handwritten comments are included.
97. Organics Analysis Data sheets for samples S118-S141, 12/8/81-12/10/81. P. 300530-300610.
98. Memorandum to Ms. Lisa Hamilton, Delaware Department of Natural Resources, from Ms. Christine Hladchuk, U.S. EPA, re: Transmittal of November analytical results, 1/20/82. P. 300611-300611.

99. Handwritten list of Organic Vapor Readings at Llangollen and Delaware Sand and Gravel Landfills from E & E report, 2/82. P. 300612-300612.
100. Routing and Transmittal Slip to Chris [sic] from Pauline [sic] re: Transmittal of documentation, 2/9/82. P. 300613-300613.
101. Letter to Mr. Robert Touhey, Delaware Department of Natural Resources and Environmental Control, from Mr. Thomas C. Voltaggio, U.S. EPA, re: Reissuance of NPDES permit, 4/19/82. P. 300614-300616. The permit requirements are attached.
102. Well Testing Results, 5/10/82-5/14/82. P. 300617-300721.
103. Report: A Hydrologic Survey of Army Creek Landfill and Delaware Sand & Gravel Landfill, prepared by Mr. C. K. Lee, Ecology and Environment, Inc., and Mr. Joseph G. McGovern, Ecology and Environment, Inc. 6/8/82. P. 300722-300748.
104. Letter to Mr. Robert J. Touhey, Department of Natural Resources and Environmental Control, from Mr. Lawrence H. Benning, U.S. EPA, re: NPDES permit application, 6/8/82. P. 300749-300754. Two letters concerning the permit application are attached.
105. Letter to Mr. Lawrence H. Benning, U.S. EPA, from Mr. Robert J. Zimmerman, Delaware Department of Natural Resources, re: Response to questions on well sampling, 7/19/82. P. 300755-300756.
106. Letter to Mr. Robert J. Zimmerman, Delaware Department of Natural Resources and Environmental Control, from Mr. Lawrence H. Benning, U.S. EPA, re: Response to prior conversations, 8/12/82. P. 300757-300758.
107. Partial Report: State of Delaware Water Quality Standards for Streams, Amended 8/27/82. P. 300759-300760.
108. Letter to Mr. David C. Clark, New Castle County Department of Public Works, from Mr. Robert J. Zimmerman, Delaware Department of Natural Resources and

Environmental Control, re: NPDES Permit, 9/9/82.
P. 300761-300763. The letter from August 12, 1982 is
attached.

109. Letter to Mr. David C. Clark, New Castle County
Department of Public Works, from Mr. Alan H. Simpson,
Delaware Department of Natural Resources and
Environmental Control, re: Further requirements for
NPDES Permits, 10/15/82. P. 300764-300765.
110. Memorandum to Mr. David C. Clark, from Mr. Gordon
Sutherland, New Castle County Department of Public
Works, re: Transmittal of sample analyses, 10/20/82.
P. 300766-300768. Two sample analysis data tables are
attached.
111. Letter to Ms. Christine Hladchuk Altomari, U.S. EPA,
from Mr. Albert W. Madora, New Castle County Department
of Public Works, re: Expenditure chronology, 10/28/82.
P. 300769-300776. An expenditures chart, a
verification letter, copies of applicable statutes and
a chart of remedial option are attached.
- 112) Memorandum to Ms. Rosanne Light, U.S. EPA, from Mr.
Charles W. Sapp, U.S. EPA, re: Major municipal
dischargers, 12/1/82. P. 300777-300778.
113. Letter to Ms. Lisa Seglin, U.S. EPA, from Mr. David B.
MacGregor, Morgan, Lewis & Bockius, re: Request for
inclusion in remediation process, 12/7/82. P. 300779-
300780.
114. Memorandum to Mr. Robert J. Touhey, from Mr. Ramesh J.
Shah, re: Summary of technical meeting, 12/30/82.
P. 300781-300783. A presentation outline is attached.
115. Letter to Mr. Charles P. Kerin, Jr., New Castle County
Department of Public Works, from Mr. Greene A. Jones,
re: U.S. EPA grant action, 1/3/83. P. 300784-300784.
116. Letter to Mr. Albert Madora, New Castle County
Department of Public Works, from Ms. Christine
Altomari, U.S. EPA, re: Follow-up on discussions at
meeting, 1/12/83. P. 300785-300785.
117. Memorandum to Mr. Thomas Voltaggio, U.S. EPA, from Ms.
Chris Altomari, U.S. EPA, re: Meeting for the Army
Creek Landfill, 1/31/83. P. 300786-300787.

118. Letter to Ms. Lisa Sigler, U.S. EPA, from Ms. Sandra Kaufmann, New Castle County, re: Response to U.S. EPA information requests, 3/9/83. P. 300788-300788.
119. Memorandum to Mr. William M. Bulman, U.S. EPA, from Mr. Thomas C. Voltaggio, U.S. EPA, re: Comments on cancellation of the 201 grant for the Army Creek Treatability Study, 3/10/83. P. 300789-300791.
A memorandum with a handwritten note regarding cancellation is attached.
120. Letter to Mr. Stephen R. Wassersug, U.S. EPA, from Ms. Sandra Kaufmann, New Castle County Department of Law, re: Comments on the Remedial Action Master Plan, 4/15/83. P. 300792-300794.
121. Report: Review of April 21, 1983 Remedial Action Master Plan for Army Creek Landfill Compared with Concurrent New Castle County Activity, prepared by Weston Inc., 4/21/83. P. 300793-300814.
122. Report: Remedial Action Master Plan, Army Creek Landfill, New Castle County, Delaware, prepared by NUS Corporation, 6/83. P. 300815-300927. References are listed.
123. Memorandum to Mr. Harry Otto, from Mr. Gregory Mitchell and Mr. Robert Garrow, re: Finfish collections at Red Lion Creek, 6/17/83. P. 300928-300959. Data analysis is attached.
124. Letter to Mr. Thomas Voltaggio, U.S. EPA, from Mr. Robert J. Touhey, Delaware Department of Natural Resources and Environmental Control, re: Concerns and comments on the Remedial Action Master Plan, 6/29/83. P. 300960-300963. The comments are attached.
125. Letter to Mr. John T. McCool, New Castle County, from Mr. Robert J. Touhey, Delaware Department of Natural Resources and Environmental Control, re: Discussion of county comments on the Remedial Action Master Plan, 10/21/83. P. 300964-300965.
126. Letter to Ms. Stephanie Del Re, U.S. EPA, from Mr. Herbert J. Freiburger, U.S. Department of the Interior, re: Transmittal of the U.S. Geological Survey Report, 11/3/83. P. 300966-300987. The report is attached.

127. Routing Slip to Mr. Roy Schrock and Abe [sic], from Marilyn [sic], Delaware Department of Natural Resources and Environmental Control, re: Transmittal of a copy of a letter regarding Remedial Action Master Plan comments, 11/10/83. P. 300988-300990. The letter is attached.
128. Letter to Mr. Robert Touhey, Delaware Department of Natural Resources and Environmental Control, from Mr. Lawrence H. Benning, U.S. EPA, re: Permit reissue, 12/29/83. P. 300988-301007. Three letters regarding the permit, a site location map, and the permit application are attached.
129. Memorandum to file from Mr. Thomas C. Voltaggio, U.S. EPA, re: Summary of meeting with New Castle County, 1/25/84. P. 301008-301009.
130. Letter to Mr. David Clark, New Castle County Engineering, from Mr. Bruce P. Smith, U.S. EPA, re: County compliance with the Remedial Investigation/Feasibility Study requirements, 2/23/84. P. 301010-301012.
131. Letter to Mr. Bruce Potoka, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Rehabilitation of wells, 5/7/84. P. 301013-301013.
132. Letter to Mr. William D. Ruckelshaus, U.S. EPA, from Mr. Robert E. Beste, Jr., Biggs and Battaglia, re: Action brought against listed parties, 5/18/84. P. 301014-301015.
133. Letter to Mr. Frank M. Thomas, Jr., Morgan, Lewis & Bockius, from Mr. Lee M. Thomas, U.S. EPA, re: Actions taken to recover costs incurred in replacing the water from Llangollen wells, 5/21/84. P. 301016-301017.
134. Letter to Mr. Kermit Rader, U.S. EPA, from Mr. Frank M. Thomas, Jr., Morgan, Lewis & Bockius, re: Actions taken to recover costs incurred in replacing water lost at Llangollen wells, 5/24/84. P. 301018-301019.
135. Letter to Mr. Kermit Rader, U.S. EPA, from Mr. David S. Swayze, Prickett, Jones, Elliott, Kristol & Schnee, re: Endangerment Assessment, 5/31/84. P. 301020-301021.

136. Letter to Mr. Richard Zambito, U.S. EPA, from Mr. Dick Brunker, U.S. EPA, re: Toxicological Assessment, 6/13/84. P. 301022-301027. References and three data sheets are attached.
137. Routing Slip to Mr. Richard Zambito, U.S. EPA, from Mr. Richard T. Gardner, Jr., Department of Natural Resources and Environmental Control, re: Transmittal of letter regarding surface water data, 6/22/84. P. 301028-301029. The letter is attached.
138. Memorandum to file from Mr. Richard L. Zambito, U.S. EPA, re: New Castle County NPDES data, 6/26/84. P. 301030-301030.
139. Letter to Mr. Richard L. Zambito, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Meeting to discuss water sampling, 6/27/84. P. 301031-301031.
140. Letter to Mr. Kermit Rader, U.S. EPA, from Mr. Frank M. Thomas, Jr., Morgan, Lewis & Bockius, re: Remedial Investigation/Feasibility Study draft work plan, 6/28/84. P. 301032-301035. A letter concerning proposed additions to the RI/FS Work Plan is attached.
141. Letter to Mr. David C. Clark, New Castle County, from Mr. Richard L. Zambito, U.S. EPA, re: Groundwater sampling procedures, 7/24/84. P. 301036-301039. A sampling protocol and site location map are attached.
142. Letter to Mr. Richard L. Zambito, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Comments on press release, 7/31/84. P. 301040-301040.
143. Statement of Determination by Mr. Thomas P. Eichler, U.S. EPA, 8/1/84. P. 301041-301072. The Endangerment Assessment is attached.
144. Letter to Mr. J. Paul Jones, Delaware Department of Natural Resources and Environmental Control, from Mr. David C. Clark, New Castle County Department of Public Works, re: NPDES Permit tests, 8/23/84. P. 301073-301074.
145. Letter to Mr. George Viconovic, GCA, from Mr. Richard L. Zambito, U.S. EPA, re: Transmittal of Remedial

Action Master Plan and Endangerment Assessment,
9/10/84. P. 301075-301075.

146. Letter to Mr. David C. Clark, New Castle County Department of Public Works, from Mr. Michael A. Apgar, Delaware Department of Natural Resources and Environmental Control, re: Potentiometric contour maps, 9/12/84. P. 301076-301078. A potentiometric map is attached.
147. Memorandum to Mr. Dan Donnelly, U.S. EPA, from Mr. Richard L. Zambito, U.S. EPA, re: New Castle County's letter on NPDES Permit application, 9/19/84. P. 301079-301081. A letter regarding analytical data is attached.
148. Memorandum to Mr. Richard Zambito, U.S. EPA, from Mr. George H. Houghton, U.S. EPA, re: Selected well sampling, 9/26/84. P. 301082-301082.
149. Memorandum to Mr. Rich Zambito, U.S. EPA, from Mr. Bruce Molholt, U.S. EPA, re: Validity of groundwater sampling, 10/2/84. P. 301083-301083.
150. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. Rick Dreisch, U.S. EPA, re: Cyanide and Phenol determinations, 10/3/84. P. 301084-301087. Three data sheets are attached.
151. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. Norman Fritsche, U.S. EPA, re: Cyanide and phenol determinations, 10/3/84. P. 301088-301089. One data sheet is attached.
152. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. John Austin and Mr. Joseph L. Slayton, U.S. EPA, re: GC/MS analysis of Superfund remedial samples, 10/4/84. P. 301090-301098. Eight sample data sheets are attached.
153. Letter to Mr. David Clark, New Castle County, from Mr. Richard L. Zambito, U.S. EPA, re: Transmittal of well monitoring and sampling report, 10/4/84. P. 301099-301099.
154. Letter to Mr. Steven Young, Delaware Department of Natural Resources and Environmental Control, from Mr. Richard L. Zambito, U.S. EPA, re: Transmittal of well

monitoring and sampling report, 10/4/84. P. 301100-301100.

155. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. S. R. Kayser, U.S. EPA, re: PCB/pesticides analysis, 10/19/84. P. 301101-301102. A list of pesticide/PCBS priority pollutant compound protection limits is attached.
156. Memorandum to Mr. Richard L. Zambito, U.S. EPA, from Ms. Patricia Krantz, U.S. EPA, re: Contaminated blank, 10/26/84. P. 301103-301103.
157. Letter to Mr. Richard L. Zambito, U.S. EPA, from Ms. Lisa A. Hamilton, Roy F. Weston, Inc., re: Progress summary, 11/1/84. P. 301104-301105.
158. Letter to Mr. David Clark, from Mr. Richard L. Zambito, U.S. EPA, re: Feasibility Study status report, 11/6/84. P. 301106-301106.
159. Letter to Mr. David C. Clark, from Mr. Richard L. Zambito, U.S. EPA, re: NPDES Permit data problems, 11/7/84. P. 301107-301107.
160. Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. K. K. F. Worthington, U.S. EPA, and Bettina B. Fletcher, U.S. EPA, re: Metals determination, 12/19/84. P. 301108-301112. Two metals data tables and two chain of custody forms are attached.
161. Memorandum to Mr. Richard L. Zambito, U.S. EPA, from Mr. G. Viconovic, Mr. L. Clark, Mr. J. Demmy, and Mr. C. Overcash, GCA, re: Comments on Feasibility Study draft report, 12/31/84. P. 300113-301143. Exhibits 1 through 6 and Example 1 from the Feasibility Study are attached.
162. Letter to Mr. David C. Clark, New Castle County Department of Public Works, from Mr. J. Paul Jones, Delaware Department of Natural Resources and Environmental Control re: Status of NPDES Permit, 1/4/85. P. 301144-301144.
163. Letter to Mr. Thomas P. Eichler, U.S. EPA, from Mr. Peter N. Johnson, Artesian Water Company, re: Comments on the draft Feasibility Study, 1/15/85. P. 301145-301154. Two letters regarding the work plan are attached.

164. Memorandum to Mr. Richard L. Zambito, from Mr. Calvin Overcash, GCA, re: Incineration addendum to Feasibility Study review, 1/18/85. P. 301155-301156.
165. Letter to Mr. James M. Seif, U.S. EPA, from Mr. Frank M. Thomas, Jr., Morgan, Lewis & Bockius, re: Revised draft Feasibility Study, 1/24/85. P. 301157-301158.
166. Letter to Mr. Robert Zimmerman, Delaware Department of Natural Resources and Environmental Control, from Mr. Lawrence H. Benning, U.S. EPA, re: Llangollen Landfill discharge permit, 1/28/85. P. 301159-301159.
167. Letter to Mr. David C. Clark, from Mr. Richard L. Zambito, U.S. EPA, re: Transmittal of sample results, 2/3/85. P. 301160-301160.
168. Letter to Mr. Stephen Young, Delaware Department of Natural Resources and Environmental Control, from Mr. Richard L. Zambito, U.S. EPA, re: Draft comments on Feasibility Study, 2/5/85. P. 301161-301161.
169. Memorandum to Mr. Stephen R. Wassersug, U.S. EPA, from Mr. Bruce P. Smith, U.S. EPA, re: Response to question on comments on Army Creek Feasibility Study, 3/14/85. P. 301162-301162.
170. Letter to Mr. David C. Clark, New Castle County, from Mr. Stephen R. Wassersug, U.S. EPA, re: Comments on draft Feasibility Study, 3/15/85. P. 301163-301175.
171. Letter of Transmittal to Mr. J. P. Jones, Delaware Department of Natural Resources and Environmental Control, from Mr. David C. Clark, New Castle County Department of Public Works, re: GC/MS data, 3/18/85. P. 301176-301222. The data is attached.
172. Letter to Mr. Frank Thomas, Jr., Morgan, Lewis & Bockius, from Mr. Kermit Rader, U.S. EPA, re: Transmittal of U.S. EPA comments on the draft Feasibility Study, 3/22/85. P. 301223-301223.
173. Letter to Mr. Stephen R. Wassersug, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Transmittal of a letter regarding the draft

- Feasibility Study, 4/2/85. P. 301224-301225. The letter is attached.
174. Agenda for Army Creek Wellfield meeting, 4/10/85. P. 301226-301226.
 175. Letter to Mr. J. Paul Jones, Delaware Department of Natural Resources and Environmental Control, from Mr. David C. Clark, New Castle County Department of Public Works, re: NPDES Permit 4/12/85. P. 301227-301230. Data is attached.
 176. Handwritten Army Creek site attendance sheet, 4/16/85. P. 301231-301231.
 177. Letter to Mr. David C. Clark, New Castle County, from Mr. Lee C. McCandlers, Versar, Inc., re: Access to the site, 4/18/85. P. 301232-301233. A memorandum regarding the draft Feasibility Study is attached.
 178. Handwritten Army Creek Landfill Feasibility Study Appendices, 4/23/85. P. 301234-301136.
 179. Memorandum to files, from Ms. Galina Bendersky, U.S. EPA, re: Meeting summary, 4/25/85. P. 301237-301238. The handwritten attendance list is attached.
 180. Letter to Ms. Galina Bendersky, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Outline discussed during phone conversation, 4/30/85. P. 301239-301239.
 181. Letter to Ms. Galina Bendersky, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Revisions of outline, 4/30/85. P. 301240-301240.
 182. Letter to Mr. David C. Clark, New Castle County Department of Public Works, from Mr. Gerard L. Esposito, Delaware Department of Natural Resources and Environmental Control, re: Additional comments to the draft Feasibility Study, 5/17/85. P. 301241-301244.
 183. Letter to Mr. Stephen R. Wassersug, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Comments on the draft Feasibility Study, 6/5/85. P. 301245-301246.

184. Letter to Mr. David Clark, New Castle County Department of Public Works, from Mr. J. Paul Jones, Delaware Department of Natural Resources and Environmental Control, re: Preliminary evaluation of NPDES Permit, 6/26/85. P. 301247-301248.
185. Memorandum to Ms. Galina Bendersky, U.S. EPA, from Mr. Richard Bruner, U.S. EPA, re: Contaminant level goals, 7/8/85. P. 301249-301250.
186. Handwritten note to Galina [sic] re: Questions about water at site, 6/25/85. P. 301251-301253. Two water discharge analyses are attached.
187. Letter to Ms. Elaine Harbold, U.S. EPA, from Mr. J. Paul Jones, Delaware Department of Natural Resources and Environmental Control, re: NPDES Permit reissue, 8/1/85. P. 301254-301255.
188. Letter to Mr. Stephen R. Wassersug, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Applicability of National Contingency Plan, 8/30/85. P. 301256-301259. A letter regarding the Contingency Plan is attached.
189. Letter to Mr. David C. Clark, from Mr. Stephen R. Wassersug, U.S. EPA, re: Schedule confirmation, 10/3/85. P. 301260-301260.
190. Letter to Ms. Lisa Hamilton, Weston, from Ms. Galina Bendersky, U.S. EPA, re: Transmittal of Endangerment Assessment, 10/27/85. P. 301261-301261.
191. Letter to Mr. Stephen R. Wassersug, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Submission schedule for Feasibility Study, 11/4/85. P. 301262-301262.
192. Letter to Mr. Dominic DiGiulio, U.S. EPA, from Mr. P. Steven Young, Delaware Department of Natural Resources and Environmental Control, re: Clarification of written summary of October 25, 1985 meeting, 11/20/85. P. 301263-301264.
193. Memorandum to Ms. Galena Chadwick, U.S. EPA, from Ms. Libby Rhoads and Mr. Jim Butch, U.S. EPA, re: Agency wetlands policy, 12/3/85. P. 301265-301268. A site map is attached.

194. Memorandum to Ms. Elaine Harbold, U.S. EPA, from Ms. Libby Rhoads, U.S. EPA, re: Comments on NPDES permit application, 12/3/85. P. 301269-301270.
195. Letter to Mr. J. Paul Jones, Delaware Department of Natural Resources and Environmental Control, from Mr. Alvin R. Morris, U.S. EPA, re: NPDES Permit, 12/18/85. P. 301271-301273.
196. Memorandum to Ms. Galina Bendersky, U.S. EPA, from Mr. Richard Bruncker, U.S. EPA, re: Review of Feasibility Study, 1/15/86. P. 301274-301274.
197. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Mr. Frank M. Thomas, Jr., Morgan, Lewis & Bockius, re: Discrepancies in the Feasibility Study, 1/17/86. P. 301275-301275.
198. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of briefs for Artesian Water Company v. New Castle County, 1/22/86. P. 301276-301276.
199. Letter to Mr. Frank M. Thomas, Jr., Morgan, Lewis & Bockius, from Ms. Ellen C. Teplitzky, U.S. EPA, re: Declination of meeting request, 2/5/86. P. 301277-301277.
200. Memorandum to Mr. Ronald Preston, U.S. EPA, from Ms. Galina Bendersky, U.S. EPA, re: Request of services, 2/18/86. P. 301278-301278.
201. Letter to Mr. C. N. Frantz, GCA Corporation, from Ms. Galina Bendersky, U.S. EPA, re: Transmittal of draft Feasibility Study, 2/19/86. P. 301279-301279.
202. Letter to Mr. David C. Clark, New Castle County Department of Public Works, from Mr. Anthony S. Bartolomeo, Delaware Department of Natural Resources and Environmental Control, re: Comments on the draft Feasibility Study, 3/3/86. P. 301280-301281.
203. Memorandum to Mr. Gene Lucero, U.S. EPA, from Mr. Stephen R. Wassersug, U.S. EPA, re: Compensation for lost water supplies to Artesian Water Company, 3/3/86. P. 301282-301284.
204. Letter to Mr. Stephen R. Wassersug, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public

Works, re: Transmittal of final report and supplemental appendix for the Feasibility Study and a summary of January 16, 1986 meeting, 3/7/86. P. 301285-301286.

205. Memorandum to Ms. Galina Bendersky, U.S. EPA, from Ms. Alyce T. Fritz, U.S. EPA, re: Completion of National Oceanic and Atmospheric Administration Hazardous Waste Site Report, 3/10/86. P. 301287-301293. The report is attached.
206. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Mr. Frank M. Thomas, Jr., Morgan, Lewis & Bockius, re: Transmittal of briefs, 3/18/86. P. 301294-301294.
207. Letter to Mr. Gene Lucero, U.S. EPA, from Mr. Bruce Blanchard, U.S. Department of the Interior, re: Preliminary natural resources survey, 4/11/86. P. 301295-301295.
208. Memorandum to Ms. Galina Chadwick, U.S. EPA, from Ms. Libby Rhoads, U.S. EPA, re: Final review of the Feasibility Study, 4/15/86. P. 301296-301298.
209. Handwritten memorandum to Files, from Ms. Galina Bendersky, U.S. EPA, re: Contamination of Artesian's wells, 4/15/86. P. 301299-301299.
210. Handwritten memorandum to Files, from Ms. Galina Bendersky, U.S. EPA, re: Contamination of Artesian's wells, 4/15/86. P. 301300-301300.
211. Handwritten memorandum to Files, from Ms. Galina Bendersky, U.S. EPA, re: Contamination of Artesian's wells, 4/16/86. P. 301301-301301.
212. Handwritten memorandum to Files, from Ms. Galina Bendersky, U.S. EPA, re: Toxicity of well AW-7, 4/23/86. P. 301302-301302.
213. Letter to Ms. Galina Bendersky, U.S. EPA, from Mr. Richard B. Howell, Delaware Department of Health and Social Services, re: Transmittal of volatile organic analysis results, 4/24/86. P. 301303-301308. Data is attached.
214. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re:

Transmittal of documents concerning new replacement wells and water for Artesian Water Company, 5/1/86. P. 301309-301324. A document index, excerpts from the 1974 Artesian Water Company Annual Report, direct testimony of Mr. Bangalore T. Lakshman and direct testimony of Mr. Peter N. Johnson are attached.

215. Routing and Transmittal slip to Ms. Galena [sic] Bendersky, 5/8/86. P. 301325-301326. Letter regarding toxicity testing is attached.
216. Memorandum to Mr. Lawrence H. Benning, U.S. EPA, from Mr. H. Ronald Preston, U.S. EPA, re: Transmittal of study of chronic toxicity and ambient stream life survey results, 5/9/86. P. 301327-301349. The report is attached.
217. Letter to Mr. David P. Clark [sic], from Mr. Dennis R. Carney, U.S. EPA, re: Follow up of comments on the Feasibility Study, 5/9/86. P. 301350-301352.
218. Letter to Mr. Paul Jones, Delaware Department of Natural Resources and Environmental Control, from Mr. Lawrence H. Benning, U.S. EPA, re: Transmittal of the final report of Army Creek biomonitoring survey, 5/13/86. P. 301353-301376. The report is attached.
219. Letter to Mr. Charles Frantz, GCA Corporation, from Ms. Galina Bendersky, U.S. EPA, re: Transmittal of Feasibility Study, 5/14/86. P. 301377-301377.
220. Letter to Mr. David C. Clark, New Castle County Department of Public Works, from Ms. Galina Bendersky, U.S. EPA, re: Transmittal of final report of the Army Creek investigation, 5/14/86. P. 301378-301378.
221. Letter to Mr. Dennis P. Carney, U.S. EPA, from Mr. David C. Clark, New Castle County, re: Request to meet to discuss modifications to the Feasibility Study, 5/22/86. P. 301379-301380.
222. Letter to Mr. Lawrence Benning, U.S. EPA, from Mr. J. Paul Jones, Delaware Department of Natural Resources and Environmental Control, re: NPDES Permit, 6/12/86. P. 301381-301387. A letter regarding the wellfield is attached.

223. Memorandum to Mr. Steve Wassersug, U.S. EPA, from Mr. Gene A. Lucero, U.S. EPA, re: Remedial action comments, 6/13/86. P. 301388-301390.
224. Letter to Mr. Frank M. Thomas, Jr., Morgan, Lewis & Bockius, from Ms. Ellen C. Teplitzky, U.S. EPA, re: Transmittal of memoranda regarding alternate water supply, 6/19/86. P. 301391-301396. Two memoranda are attached.
225. Letter to Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, from Ms. Ellen C. Teplitzky, U.S. EPA, re: Transmittal of memorandum from Mr. Lucero to Mr. Wassersug, 6/20/86. P. 301397-301397.
226. Letter to The Honorable N. Richard Powers, U.S. District Court for the District of Delaware, from Mr. George J. Weiner, Schmeltzer, Aptaker & Sheppard, re: Artesian Water Company v. New Castle County, 6/23/86. P. 301398-301405. Three memos regarding the memo from Mr. Lucero to Mr. Wassersug are attached.
227. Letter to Mr. David P. Clark [sic], from Ms. Galina Bendersky, U.S. EPA, re: Transmittal of memorandum from Mr. Lucero to Mr. Wassersug, 6/24/86. P. 301406-301406.
228. Briefing Paper re: Army Creek Landfill site, prepared by Elaine Harbold, U.S. EPA, 6/30/86. P. 301407-301407. A letter regarding the Army Creek wellfield is attached.
229. Report: Feasibility Study for the Army Creek Landfill, New Castle, Delaware, prepared by Roy F. Weston, Inc., 7/86. P. 301408-301805.
230. Letter to Mr. William J. Hoffman, U.S. EPA, from Mr. Joseph T. Wutka, Delaware Department of Transportation, re: Tide gate modification, 7/10/86. P. 301806-301807.
231. Letter to Ms. Galina Bendersky, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Transmittal of proposed changes to the Feasibility Study, 7/11/86. P. 301808-301808.
232. Letter to Mr. David C. Clark, New Castle County, from Mr. Dennis P. Carney, U.S. EPA, re: Transmittal of

comments on Feasibility Study, 7/18/86. P. 301809-301809.

233. Letter to Mr. Dennis P. Carney, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Transmittal of final Feasibility Study, 7/31/86. P. 301810-301810.
234. Letter to Ms. Galina Bendersky, U.S. EPA, from Mr. David C. Clark, New Castle County Department of Public Works, re: Confirmation of telephone conversation concerning final Feasibility Study corrections, 8/13/86. P. 301811-301811.
235. Routing and Transmittal Slip to Ms. Galina Bendersky, re: Transmittal of letter regarding the wellfield proposals, 8/14/86. P. 301812-301815. The letter is attached.
236. Letter to Mr. David C. Clark, New Castle County Department of Public Works, from Mr. Dennis P. Carney, U.S. EPA, re: Final draft of Remedial Action Feasibility Study, 8/15/86. P. 301816-301816.
237. Letter to Mr. Michael Christopher, RGH, from Ms. Galina Bendersky, U.S. EPA, re: Transmittal of final copy of Remedial Action Master Plan, 9/4/86. P. 301817-301817.
238. Letter to Ms. Galina [sic] Bendersky, U.S. EPA, from Mr. George J. Weiner, Schmeltzer, Aptaker & Sheppard, re: Preferred remedial alternative landfill cap, 9/15/86. P. 301818-301821.
239. Duplicate letter to Mr. Joseph Wutka, Delaware Department of Transportation, from Mr. Joseph J. Hardman, Delaware Department of Natural Resources and Environmental Control, re: Tide gates, 9/15/86. P. 301822-301823.
240. Letter to Ms. Elaine Harbold, U.S. EPA, from Mr. J. Paul Jones, Delaware Department of Natural Resources and Environmental Control, re: Transmittal of preliminary draft permit, 9/17/86. P. 301824-301824.
241. Letter to Mr. Stephen R. Wassersug, U.S. EPA, from Mr. Robert J. Touhey, Delaware Department of Natural Resources and Environmental Control, re: Support for remedial action alternative, 9/30/86. P. 301825-301826.

242. Record of Decision, Remedial Alternative Selection Army Creek Landfill Site, New Castle County, Delaware, 9/30/86. P. 301827-301881. Summary of Remedial Alternative Selection is attached.
243. Memorandum to Ms. Galina Bendersky, U.S. EPA, from Mr. H. Ronald Preston, U.S. EPA, re: Bioassessment Work Group Review, 6/1/87. P. 301882-301882.
244. Letter to Ms. Ellen C. Teplitzky, U.S. EPA, from Mr. George J. Weiner, Schmeltzer, Aptaker & Sheppard, re: Access request to test sediments, 6/29/87. P. 301883-301891. A portion of the Feasibility Study is attached.
245. Letter to Mr. Eric Newman, U.S. EPA, from Mr. Wm. Roger Truitt, Schmeltzer, Aptaker & Sheppard, re: Transmittal of Biomonitoring Survey, 9/20/88. P. 301892-301892.
246. Summary of analytical results for Army Creek, (undated). P. 301893-301893.
247. Organics analysis data sheets, lab samples S110-S128, S128MB, S129-S141, (undated). P. 301894-302029.
248. Fifteen site maps, (undated). P. 302029-302044.
249. Abstract: Remedial Action Activities for Army Creek Landfill, prepared by Mr. David C. Clark, New Castle County Department of Public Works, (undated). P. 302045-302058.
250. Sampling results by specific chemicals, (undated). P. 302059-302128.
- 251) Report: Air Sampling of Llangollen Landfill, Wilmington, Delaware, prepared by Ecology and Environment, Inc., (undated). P. 302129-302132.
252. Article: Destroying Toxic Wastes, Poisonous Materials are Converted to Useful Fuels, by Mr. Gerald E. Voecks, Caltech, (undated). P. 302133-302135. Related New Technology Report and flow chart are attached.
253. Memorandum re: Status of site at Army Creek, (no author cited), (undated). P. 302136-302140.

- 254. Memorandum to files, from Ms. Galina Bendersky, U.S. EPA, re: Comments on Draft Feasibility Study, (undated). P. 302141-302141.
- 255. List of reports and studies performed for New Castle County by Roy F. Weston on Llangollen Landfill, (undated). P. 302142-302143.
- 256. Report: Application of Artesian Water Company for Reimbursement of Response Costs from the Hazardous Substance Response Trust Fund, prepared by Morgan, Lewis & Bockius, (undated). P. 302144-302170.
- 257. Report: Technical Appendix, In Support of the Application of Artesian Water Company for Reimbursement of Response Costs from the Hazardous Substance Response Trust Fund, prepared by Morgan, Lewis & Bockius, (undated). P. 302171-302436.
- 258. Memorandum to Mr. Rich Zambito, U.S. EPA, from Mr. Bruce Molholt, U.S. EPA, re: Validity of sampling data from 1983, 10/24/84. P. 302437-302437.

V. COMMUNITY INVOLVEMENT/CONGRESSIONAL CORRESPONDENCE/IMAGERY

1. Map of Wilmington North Quadrangle, Delaware-Pennsylvania, 1967. P. 500001-500001.
2. Map of Piezometric Surface in the Upper Potomac Aquifer, 1/14/74. P. 500002-500002.
3. Map showing configuration of the watertable in, and in the vicinity of, the Llangollen Landfill, 1/14/74. P. 500003-500003.
4. Photographs of the site, 2/12/76. P. 500004-500005.
- 5). Memorandum to Mr. Larry Miller from Mr. Paul E. Ambrose re: Testing requirements, 1/12/77. P. 500006-500006.
6. Letter to Senator Biden [sic] from Ms. Barbara Blum, U.S. EPA, re: EPA position on the Army Creek Landfill, 3/27/77. P. 500007-500011.
7. Map of the Piezometric Surface of the Upper Potomac Aquifer, 7/30/77. P. 500012-500012.
8. Memorandum to Mr. Larry Miller from Mr. Victor Guide, U.S. EPA, re: Recovery well sampling and analysis, 8/3/77. P. 500013-500013.
9. Memorandum to Mr. Paul E. Ambrose from Mr. Larry Miller, U.S. EPA, re: Recovery well sampling and analysis, 8/8/77. P. 500014-500014.
10. Letter to Honorable Mr. Austin P. Olney, Delaware Department of Natural Resources and Environmental Control, from Mr. Jack J. Schramm, U.S. EPA, re: Sampling results and recommended actions, 11/3/77. P. 500015-500016.
11. Memorandum to Mr. Jack J. Schramm, U.S. EPA, from Mr. Albert Montague, U.S. EPA, re: Sampling results, 11/3/77. P. 500017-500017.
12. List of Round Table Participants, 11/17-11/18. P. 500018-500019.
13. Memorandum to Mr. Al Montague, U.S. EPA, from Mr. Larry S. Miller, U.S. EPA, re: Amoco sampling, 11/28/77. P. 500020-500020.

14. Memorandum to Mr. Al Montague from Mr. Ramon G. Lee re: Phase III-Round Two groundwater sampling, 12/7/78. P. 500021-500023. A memorandum regarding the Plan of Action and a memorandum regarding Phase III sampling is attached.
15. Agenda for Army Creek Landfill meeting, 12/19/78. P. 500024-500024.
16. Memorandum to file from Mr. Paul E. Ambrose, U.S. EPA, re: Site meeting, 12/19/78. P. 500025-500026.
17. Memorandum to Mr. Albert Montague from Mr. Bernard L. Dworsky, New Castle County Water Resources Administration, re: December meeting minutes and activity update, 4/30/79. P. 500027-500035. Three memoranda related to the December site meetings, a memorandum concerning the April seminar, and a memorandum concerning a site update are attached.
18. Map of Piezometric Surface of the Army Creek Landfill, 2/81. P. 500036-500036.
19. Photographs of site, 11/9/81-11/11/81. P. 500037-500037.
20. Site map of OVA readings in selected wells, 11/9/81. P. 500038-500038.
21. Site map of water sampling locations, 11/9/81. P. 500039-500039.
22. Letter to Ms. Sandra Kaufman and Mr. Albert Madora, from Mr. Stephen R. Wassersug, U.S. EPA, re: Review of site-related work to date, 3/28/83. P. 500040-500041.
23. Report: Draft Community Relations Plan, Army Creek Landfill Site, New Castle County, Delaware, prepared by NUS Corporation, 5/83. P. 500042-500060.
24. Press Release: "New Castle County to Develop Cleanup Strategy for Army Creek Landfill," from U.S. EPA Environmental News, 8/3/84. P. 500061-500062.
25. Letter to Mr. Richard Zambito, U.S. EPA, from Mr. David C. Clark, New Castle County Department of

- Public Works, re: Preparation of the Community Relations Plan, 8/21/84. P. 500063-500063.
26. Letter to Mr. David C. Clark from Mr. Richard L. Zambito, U.S. EPA, re: Preparation of the Community Relations Plan, 9/7/84. P. 500064-500065.
 27. Report: Community Relations Plan, Army Creek Landfill Site, New Castle County, Delaware, prepared by NUS Corporation, 11/84. P. 500066-500086.
 28. Letter to Senator Joseph Biden, U.S. Senate, from Mr. James M. Seif, U.S. EPA, re: Status report, 5/15/85. P. 500087-500087.
 29. Press Release: "Army Creek Study Completed", from EPA Environmental News, 8/21/86. P. 500088-500089.
 30. Press Release: "Public Meeting to Discuss Army Creek Cleanup," from U.S. EPA Advisory, 9/3/86. P. 500090-500090.
 31. Press Release: "EPA Selects Remedial Alternative at Army Creek Landfill," from U.S. EPA Environmental News, 10/7/86. P. 500091-500092.
 32. Press Release: Delaware Hazardous Waste Update, prepared by Delaware Department of Natural Resources and Environmental Control, 1/87. P. 500093-500096.
 33. Fact Sheet: EPA and DNREC Fact Sheet, Preferred Remedial Alternative, Army Creek Landfill Site, (undated). P. 500097-500098.
 34. Handwritten notes to Mr. Wayne Spaulding from Mr. Lawrence A. Teller, U.S. EPA, re: Remedial Action Master Plan, (undated). P. 500099-500099.
 35. Photographs of the site, (undated). P. 500100-500101.
 36. Site map of the direction of groundwater flow, (undated). P. 500102-500102.
 37. Site map of wells, (undated). P. 500103-500103.
 38. Site map of wells and plume, (undated). P. 500104-500104.

39. Map of the New Castle County Water Resources Administration, (undated). P. 500105-500105.
40. Routing and Transmittal Slip re: Amoco wells, (undated). P. 500106-500106.
41. Site map of the location of wells and sampling areas, (undated). P. 500107-500107.
42. Site maps, (undated). P. 500108-500113.
43. Report: Groundwater Contamination from Liquid Chemical Waste Pits, (author unknown), (undated). P. 500114-500116.
44. Site map of the Artesian Water Company wells, (undated). P. 500117-500118.
45. Map of Wilmington South, Delaware-New Jersey Quadrangle, (undated). P. 500119-500119.
46. Site map of production and observation wells, (undated). P. 500120-500120.
47. Site map, Greggo and Ferrara, Sand and Gravel Pit, (undated). P. 500121-500121.
48. Handwritten notes, re: Entrance permission on the site, (undated). P. 500122-500122.
49. Memorandum to file from Mr. Edmund J. Skernolis, U.S. EPA, re: Delaware legislative budget hearing for the Department of Natural Resources and Environmental Control, 3/15/82. P. 500123-500123.
50. Letter to Ms. Karen Kellem and Mr. Brian M. Nishitani, U.S. EPA, from Mr. George J. Weiner, Schmeltzer, Aptaker & Sheppard, P.C., re: Transmittal of a letter addressed to the Office of the Executive, 6/28/88. P. 500124-500128. The letter is attached.
51. Letter to Mr. James M. Seif, U.S. EPA, from Mr. William V. Roth, Jr., United States Senate, re: Developments at the Army Creek and Delaware Sand and Gravel Landfills, 7/19/88. P. 500129-500129.
52. Press Release: "Army Creek Landfill", (undated). P. 500130-500130.

53. Information for Press Release, Army Creek Landfill, New Castle County, Delaware, (undated). P. 500131-500131.
54. Fact Sheet: Army Creek Landfill, New Castle County, Delaware, (undated). P. 500132-500132.